

PCA Concrete and Cement Thesaurus

Term: AAR

Use..... Alkali aggregate reactions (AAR)

Term: AASHO road test

Used for..... National road test

Term: AASHTO T-103

Term: Abbreviations

Term: Abnormal set

Broader term..... Setting (hardening)

Narrower term..... Flash set

Narrower term..... False set

Term: Abrasion

Related term..... Erosion

Related term..... Abrasive blasting

Related term..... Friction

Related term..... Wear

Related term..... Grinding (material removal)

Term: Abrasion resistance

Broader term..... Wear resistance

Broader term..... Mechanical properties

Related term..... Abrasion resistant coatings

Term: Abrasion resistance tests

Broader term..... Durability tests

Term: Abrasion resistant coatings

Broader term..... Coatings

Broader term..... Protective coatings

Related term..... Abrasion resistance

Related term..... Sprayed coatings

Term: Abrasion tests

Broader term..... Tests

Broader term..... Mechanical tests

Broader term..... Wear tests

Term: Abrasive blasting

Broader term..... Cleaning

Related term..... Finishes

Related term..... Abrasion

Used for..... sand blasting

Term: Absolute temperature

Use..... Temperature

Term: Absorbents

Related term..... Cleaning agents

Term: Absorption

Related term..... Damping

Related term..... Drying

Broader term..... Physical properties

Related term..... Sorption

Related term..... Sound transmission

Related term..... Adsorption

Term: Absorption spectroscopy

Broader term..... Spectroscopy

Term: Abutments

Related term..... Dams

Narrower term..... Bridge abutments

Term: Accelerated compressive strength tests (ASTM C 684)

Broader term..... Accelerated tests

Broader term..... Tests (Fresh concrete)

Term: Accelerated curing

Broader term..... Curing

Related term..... Corrosion tests

Term: Accelerated tests

Broader term..... Tests

Narrower term..... Corrosion tests

Narrower term..... Accelerated compressive strength tests (ASTM C 684)

Term: accelerating admixtures

Use..... Accelerators

Term: accelerating agents

Use..... Accelerators

Term: Accelerators

Broader term..... Agents

Related term..... Retarders

Related term..... Admixtures

Related term..... Water reducing admixtures

Used for..... accelerating admixtures

Used for..... accelerating agents

Term: Acceptability

Related term..... Quality control

Related term..... Performance tests

Related term..... Standards

Related term..... Tolerances (Mechanics)

Related term..... Inspection

Related term..... Sampling concrete

Related term..... Reliability

Used for..... acceptance tests

Term: acceptance tests

Use..... Acceptability

Term: Accident prevention

Broader term..... Safety

Term: accidental loads

Use..... Accidents

Term: Accidents

Related term..... Safety engineering

Related term..... Safety

Narrower term..... Industrial accidents

Used for..... accidental loads

Term: acetates

Broader term..... Esters

Term: acetoacetates

Broader term..... Esters

Term: acid attack

Use..... Acid resistance

Term: acid cleaning

Use..... Acid treatment (concrete)

Term: Acid resistance

Used for..... acid attack

Related term..... Corrosion

Related term..... Chemical attack

Related term..... Corrosion resistance

Related term..... Stress corrosion resistance

Related term..... Corrosion tests

Term: Acid resistance tests

Broader term..... Chemical tests

Broader term..... Corrosion tests

Term: Acid treatment (concrete)

Broader term..... Cleaning

Related term..... Finishes

Related term..... Overlays

Related term..... Chemical cleaning

Used for..... acid cleaning

Term: acidity

Broader term..... pH

Related term..... alkalinity

Term: Acids

Narrower term..... Organic acids
Narrower term..... Inorganic acids
Narrower term..... fatty acids
Related term..... carboxylic acids

Term: Acoustic emission monitoring

Broader term..... Air pollution control equipment

Term: Acoustic emission tests

Broader term..... Nondestructive tests

Term: Acoustic impact tests

Broader term..... Nondestructive tests

Broader term..... Impact tests

Term: Acoustic insulation

Broader term..... Insulation

Related term..... Sound transmission

Related term..... Panels

Related term..... Noise reduction

Related term..... Ceilings (architecture)

Used for..... Soundproofing

Term: Acoustic properties

Broader term..... Physical properties

Related term..... Surface properties

Related term..... Mechanical properties

Term: Acoustics

Related term..... Noise reduction

Related term..... Vibration

Related term..... Sound transmission

Term: Acrylates

Broader term..... Esters

Term: Acrylic resins

Broader term..... Plastics

Broader term..... Resins

Term: Activation energy

Broader term..... Alkali silica reactions (ASR)

Term: additions

Use..... Cement additives (raw materials)

Use..... Cement additives (clinker)

Term: additives

Use..... Cement additives (raw materials)

Use..... Cement additives (clinker)

Term: Adhesion

Broader term..... Surface properties

Related term..... Adhesives

Related term..... Bonding

Related term..... Sealing

Related term..... cohesion

Term: Adhesives

Related term..... Connections

Related term..... Epoxy resins

Broader term..... Construction materials

Related term..... Adhesion

Related term..... Binders (materials)

Used for..... Bonding agents

Term: Adiabatic calorimetry

Broader term..... Adiabatic conditions

Broader term..... Calorimetry

Term: Adiabatic conditions

Related term..... Temperature

Narrower term..... Adiabatic calorimetry

Related term..... Heat

Related term..... Environments

Term: Admixtures

Narrower term..... chemical admixtures
Narrower term..... Retarders
Narrower term..... Plasticizers
Related term..... Accelerators
Broader term..... Agents
Narrower term..... Latex
Narrower term..... Dispersants
Narrower term..... Emulsifying admixtures
Narrower term..... Asbestos
Narrower term..... Permeability reducing admixtures
Narrower term..... Fly ash
Narrower term..... Antifreeze admixtures
Narrower term..... Air entraining admixtures
Narrower term..... Cement additives (clinker)
Narrower term..... Lignin and derivatives
Narrower term..... Oils
Narrower term..... Waterproofing admixtures
Narrower term..... Fungicides
Narrower term..... Surfactants
Related term..... Rice husks (silica)
Related term..... Cement additives (raw materials)
Related term..... Silica fume
Related term..... Water reducing admixtures
Related term..... Industrial wastes
Related term..... Pozzolans
Related term..... Waste materials
Related term..... Expanding admixtures
Related term..... Concretes
Related term..... Blast furnace slag
Related term..... Infrared spectroscopy
Related term..... Polymer portland cement concretes
Related term..... Wetting agents

Term: Adsorbents

Related term..... Cleaning agents

Term: Adsorption

Related term..... Sorption
Related term..... Absorption
Related term..... Surface properties
Related term..... Hysteresis

Term: Aerated concretes

Use..... Cellular concretes

Term: Aeration

Broader term..... Water treatment
Related term..... Cement storage

Term: Aerodynamic loads

Broader term..... Dynamic loads
Related term..... Wind pressure

Term: AFm (phase)

Use..... Calcium aluminate hydrates

Term: AFt (phase)

Use..... Calcium sulfoaluminate hydrates

Term: Afwillite

Broader term..... Silicates

Term: age

Related term..... Age strength relation

Term: Age strength relation

Related term..... Compressive strength
Related term..... age

Term: Agents

Narrower term..... Accelerators
Narrower term..... Admixtures
Narrower term..... Plasticizers

Narrower term..... Retarders
Narrower term..... Dispersants
Narrower term..... Curing compounds
Narrower term..... Foaming agents
Narrower term..... Surfactants
Narrower term..... Cleaning agents

Term: Agglomeration

Related term..... Separation
Related term..... Granulation
Related term..... Compaction [concrete]
Related term..... Sedimentation
Related term..... Pelleting
Related term..... Crystallization
Related term..... briquetting
Related term..... Settling
Related term..... Sintering
Related term..... Flocculating

Term: Aggregate gradation

Related term..... Aggregates
Related term..... Fines
Related term..... Gap graded aggregate
Used for..... gradation

Term: Aggregate interlock

Related term..... Load transfer

Term: Aggregate size

Related term..... Aggregates
Used for..... Maximum size aggregate

Term: Aggregate transfer method

Use..... Exposed aggregate concrete

Term: Aggregates

Narrower term..... Lightweight aggregates
Narrower term..... Traprock
Narrower term..... Shrinking aggregates
Narrower term..... Quartzites
Related term..... Aggregate gradation
Broader term..... Construction materials
Narrower term..... Siliceous aggregates
Narrower term..... Sands
Narrower term..... Synthetic aggregates
Narrower term..... Natural aggregates
Narrower term..... Fine aggregates
Narrower term..... Coated aggregates
Narrower term..... Decorative aggregates
Narrower term..... Carbonate aggregates
Narrower term..... Coarse aggregates
Narrower term..... Gravel
Narrower term..... Glass aggregates
Narrower term..... Heavyweight aggregates
Narrower term..... Crushed stone
Related term..... Aggregate size
Related term..... Stockpiling
Related term..... Contaminated aggregates
Related term..... Rocks
Related term..... Fines
Related term..... Slags
Related term..... Beneficiation
Related term..... Waste materials utilization
Related term..... Cement aggregate reactions

Term: Air circulation

Related term..... Ducts

Term: Air cleaners

Broader term..... Exhaust systems

Broader term..... Air pollution control equipment

Term: Air conditioning

Related term..... Temperature control

Related term..... Thermal insulation

Related term..... Humidity

Term: Air content

Related term..... Air entrainment

Narrower term..... Air content tests (Fresh concrete)

Narrower term..... Air content tests (Hardened concrete)

Term: Air content tests (Fresh concrete)

Broader term..... Tests (Fresh concrete)

Broader term..... Air content

Narrower term..... Air indicators (AASHTO T 199)

Narrower term..... Gravimetric method test (ASTM C 138)

Narrower term..... Volumetric method test (ASTM C 173)

Narrower term..... Pressure method test (ASTM C 231)

Term: Air content tests (Hardened concrete)

Broader term..... Air content

Narrower term..... Air-void ratio test (ASTM C 457)

Term: Air cooled slags

Related term..... Slags

Term: air emissions

Use..... Air pollution

Term: Air entrained concretes

Broader term..... Air entrainment

Broader term..... Concretes

Related term..... Air entraining admixtures

Related term..... Air meters

Related term..... Air entraining cements

Used for..... spacing factor

Term: Air entraining admixtures

Broader term..... Air entrainment

Broader term..... Admixtures

Related term..... Plasticizers

Related term..... Surfactants

Related term..... Superplasticizers

Related term..... Foaming agents

Related term..... Detergents

Related term..... Bubbles

Related term..... Air entrained concretes

Term: Air entraining cements

Broader term..... Hydraulic cements

Broader term..... Air entrainment

Broader term..... Portland cements

Related term..... Air entrained concretes

Related term..... Masonry cements

Term: Air entrainment

Narrower term..... Air entraining admixtures

Narrower term..... Air entraining cements

Narrower term..... Air entrained concretes

Narrower term..... Air-void ratio

Related term..... Air content

Related term..... Density (mass/volume)

Related term..... Linear traverse

Used for..... entrainment

Used for..... spacing factor

Term: Air indicators (AASHTO T 199)

Broader term..... Air content tests (Fresh concrete)

Term: Air intakes

Related term..... Ducts

Term: Air meters

Related term..... Air entrained concretes

Term: Air pollution

Narrower term..... Furans
Narrower term..... Dioxins
Related term..... Exhaust gases
Broader term..... Pollution
Broader term..... Dust
Narrower term..... Particulates
Related term..... Industrial wastes
Related term..... Flue dust
Related term..... Exhaust systems
Related term..... Fumes
Related term..... Sulfur oxides
Related term..... Nitrogen oxides (NOx)
Related term..... Smoke
Related term..... Flue gases
Used for..... air emissions

Term: Air pollution control equipment

Broader term..... Environmental controls
Broader term..... Cement plant equipment
Narrower term..... Acoustic emission monitoring
Narrower term..... Scrubbers
Narrower term..... Dust collectors
Narrower term..... Air cleaners
Narrower term..... Carbon dioxide capture and storage (CCS)
Narrower term..... Cyclone separators
Narrower term..... Carbon sequestration
Used for..... emission systems

Term: Air raid shelters

Term: Air separators

Term: Air slides

Use..... Pneumatic conveying

Term: Air terminals

Use..... Airports

Term: Air void clustering

Term: air voids

Use..... Surface defects

Term: airfields

Use..... Airports

Term: airport pavements

Use..... Runways

Use..... Taxiways

Use..... Concrete pavements

Term: Airport towers

Broader term..... Airports

Term: Airports

Narrower term..... Runways

Narrower term..... Taxiways

Related term..... Aprons

Used for..... airfields

Broader term..... Municipal engineering

Narrower term..... Hangars

Narrower term..... Hangers

Narrower term..... Airport towers

Related term..... Heliports

Used for..... Air terminals

Term: air-quenching coolers

Use..... Grate coolers

Term: Air-void ratio

Broader term..... Air entrainment

Term: Air-void ratio test (ASTM C 457)

Broader term..... Air content tests (Hardened concrete)

Term: akermanite

Term: Alarms

Use..... Warning systems

Term: Albedo

Broader term..... Light reflectance

Used for..... reflection coefficient

Term: Alcohols

Broader term..... Organic compounds

Narrower term..... Ethanol

Narrower term..... Glycols

Narrower term..... Methanol

Term: Aldehydes

Broader term..... Organic compounds

Term: Aliphatic acid esters

Broader term..... Esters

Term: Aliphatic acids

Broader term..... Organic acids

Term: Aliphatic compounds

Related term..... Organic acids

Term: Alite

Broader term..... Calcium silicates

Broader term..... Tricalcium silicates (C3S)

Related term..... Portland cement compound composition

Term: Alkali aggregate reactions (AAR)

Broader term..... Ettringite

Related term..... Alkalies

Broader term..... Cement aggregate reactions

Narrower term..... Alkali carbonate reactions (ACR)

Narrower term..... Alkali silica reactions (ASR)

Related term..... Hydration

Related term..... Concrete durability

Used for..... AAR

Term: Alkali carbonate reactions (ACR)

Broader term..... Alkali aggregate reactions (AAR)

Term: Alkali carbonate reactivity test

Use..... Petrographic examination test (ASTM C 295)

Term: Alkali content

Broader term..... Alkalies

Related term..... High alkali cements

Related term..... Low alkali cements

Term: Alkali resistance

Related term..... Corrosion

Term: Alkali silica reactions (ASR)

Broader term..... Alkali aggregate reactions (AAR)

Narrower term..... Activation energy

Used for..... asr

Term: Alkali soils

Use..... Sulfate soils

Term: alkali sulfates

Use..... Potassium sulfates (K₂SO₄)

Use..... Sodium sulfates (Na₂SO₄)

Term: alkali-activated cements

Term: alkali-activated concretes

Term: Alkalies

Related term..... High alkali cements

Narrower term..... Alkali content

Narrower term..... Lithium oxides

Narrower term..... Potassium oxides

Narrower term..... Sodium oxides

Related term..... Portland cement compound composition

Related term..... Hydroxides

Related term..... Low alkali cements

Related term..... Alkalies in portland cement

Related term..... Alkali aggregate reactions (AAR)

Related term..... Sodium hydroxide

Used for..... Caustics

Term: Alkalies in portland cement

Broader term..... Portland cement compound composition

Related term..... High alkali cements

Related term..... Alkalies

Related term..... Low alkali cements

Term: Alkaline earth compounds

Related term..... Calcium compounds

Related term..... Strontium compounds

Related term..... Magnesium compounds

Related term..... Barium inorganic compounds

Related term..... Beryllium inorganic compounds

Term: alkalinity

Related term..... acidity

Broader term..... pH

Term: Alkali-silica reactivity test (ASTM C 227)

Broader term..... Durability tests

Term: Allergic contact dermatitis (ACD)

Used for..... dermatitis

Term: Allowable stress design (ASD)

Term: alternative fuels

Use..... Fuels

Term: alternative materials

Use..... Waste materials utilization

Use..... Waste-derived fuels (WDF)

Use..... Supplementary cementing materials (SCM)

Term: Alumina

Use..... Aluminum oxide

Term: Aluminate cements

Broader term..... Hydraulic cements

Related term..... Expansive cements

Related term..... Refractory concretes

Used for..... Aluminous cements and concretes

Narrower term..... Calcium aluminate cements (CAC)

Related term..... Refractories

Term: Aluminate concretes

Broader term..... Concretes

Used for..... Aluminous cements and concretes

Term: Aluminous cements and concretes

Use..... Aluminate cements

Use..... Aluminate concretes

Term: Aluminum

Related term..... Corrosion

Term: Aluminum chlorides

Broader term..... Aluminum inorganic compounds

Term: Aluminum hydroxides

Broader term..... Hydroxides

Broader term..... Aluminum inorganic compounds

Term: Aluminum inorganic compounds

Narrower term..... Calcium sulfoaluminate hydrates

Narrower term..... Calcium aluminoferrites

Narrower term..... Aluminum hydroxides

Narrower term..... Aluminum oxide

Narrower term..... Tricalcium aluminates

Narrower term..... Calcium chloroaluminate hydrates

Narrower term..... Aluminum sulfates

Narrower term..... Calcium sulfoaluminates

Narrower term..... Tricalcium aluminate hydrates

Narrower term..... Barium aluminates

Narrower term..... Calcium aluminosilicate hydrates

Narrower term..... Strontium aluminates
Narrower term..... Calcium aluminosilicates
Narrower term..... Aluminum chlorides
Narrower term..... Calcium aluminates
Narrower term..... Magnesium aluminates
Narrower term..... Calcium aluminate hydrates
Narrower term..... Calcium carboaluminate hydrates

Term: Aluminum oxide

Broader term..... Oxides
Used for..... Alumina
Broader term..... Aluminum inorganic compounds
Related term..... Bauxite

Term: Aluminum powder

Related term..... Cellular concretes
Related term..... Foaming agents
Related term..... Expanding admixtures

Term: aluminum silicate

Used for..... andalusite

Term: Aluminum sulfates

Broader term..... Aluminum inorganic compounds

Term: Ambient temperature

Use..... Temperature

Term: Amides

Broader term..... Organic compounds

Term: Amines

Broader term..... Organic compounds

Term: Ammeters

Term: Ammonium compounds

Narrower term..... Ammonium hydroxide

Term: Ammonium hydroxide

Broader term..... Ammonium compounds

Broader term..... Hydroxides

Term: Ammonium salts

Term: Amyl acetates

Broader term..... Esters

Term: analysis

Use..... Chemical analysis

Use..... Structural analysis

Use..... Statistical analysis

Term: Analysis of variance

Use..... Statistical analysis

Term: Analytical chemistry

Use..... Chemical analysis

Term: analytical models

Use..... Mathematical models

Term: Anchor bolts

Related term..... Anchors (fasteners)

Broader term..... Bolts

Broader term..... Fasteners

Narrower term..... Expansion bolts

Narrower term..... Structural bolts

Narrower term..... High strength bolts

Related term..... Couplings

Term: Anchorage (structural)

Narrower term..... Anchors (fasteners)

Narrower term..... Bridge anchorages

Related term..... Bond (concrete to reinforcement)

Related term..... Hooked reinforcement

Related term..... Prestressing

Related term..... Foundations

Related term..... End blocks

Related term..... Connections

Term: Anchors (fasteners)

Related term..... Studs
Broader term..... Nails (fasteners)
Broader term..... Fasteners
Broader term..... Anchorage (structural)
Broader term..... Powder actuated fasteners
Related term..... Brackets
Related term..... Anchor bolts
Related term..... Bolts

Term: andalusite

Use..... aluminum silicate

Term: Andesite

Broader term..... Igneous rocks

Term: Angle of repose

Broader term..... Mechanical properties
Related term..... Stockpiling
Related term..... Stability
Related term..... Soils

Term: angle of twist

Use..... Torsion

Term: Anhydrides

Broader term..... Organic compounds

Term: Anhydrite

Broader term..... Calcium compounds
Broader term..... Sulfates
Related term..... Gypsum
Related term..... Supersulfated cements
Used for..... Calcium sulfate (CaSO₄)
Used for..... Calcium sulfate (anhydrous)

Term: Anhydrous ammonia**Term: Anodic protection**

Related term..... Cathodic protection
Related term..... Corrosion resistance
Related term..... Corrosion

Term: Anorthite

Broader term..... Silicates
Broader term..... Calcium aluminosilicates

Term: Anthracite

Broader term..... Coal

Term: Antifreeze admixtures

Broader term..... Admixtures

Term: Apartment buildings

Broader term..... Buildings
Broader term..... Residential buildings
Used for..... housing

Term: apparent density

Use..... Bulk density

Term: Aprons

Related term..... Concrete pavements
Broader term..... Pavements
Related term..... Airports

Term: Aqueducts

Broader term..... Hydraulic structures
Related term..... Tunnels
Related term..... Arch bridges
Broader term..... Water supply
Related term..... Water tunnels

Term: aqueous phase

Use..... Hydration

Term: Aramid fibers

Broader term..... Fibers

Term: arc spectrography

Use..... emission spectroscopy

Term: arcanite

Use..... Potassium sulfates (K₂SO₄)

Term: Arch bridges

Broader term..... Bridges

Related term..... Railroad bridges

Related term..... Rigid frame bridges

Related term..... Aqueducts

Term: Arch dams

Broader term..... Dams

Related term..... Concrete dams

Related term..... Buttress dams

Term: Arches

Related term..... Shells (structural forms)

Broader term..... Structural forms

Related term..... Rigid frames

Term: Architectural concrete

Narrower term..... Countertops

Narrower term..... Fireplaces

Narrower term..... Floors

Related term..... Finishes

Related term..... Concrete products

Broader term..... Concretes

Broader term..... Architecture

Related term..... Decorative concrete

Related term..... Stucco

Related term..... Facings

Related term..... White portland cements

Related term..... Precast concrete

Term: Architectural masonry

Broader term..... Architecture

Broader term..... Masonry

Related term..... Walls

Used for..... patterns

Term: Architecture

Narrower term..... Architectural concrete

Related term..... Structural forms

Related term..... Buildings

Narrower term..... Decorative concrete

Narrower term..... Architectural masonry

Related term..... Structural design

Term: Area

Used for..... Surface area

Term: Arenas

Use..... Stadiums

Term: Aromatic compounds

Related term..... Organic acids

Term: Arsenic

Broader term..... Trace metals

Term: Arsenic organic acids

Broader term..... Organic acids

Term: Articulated concrete mattresses

Use..... Revetments

Term: Artificial weathering tests

Broader term..... Corrosion tests

Term: Aryl acid esters

Broader term..... Esters

Term: Aryl ethers

Broader term..... Ethers

Term: Asbestos

Broader term..... Admixtures

Broader term..... Silicates

Term: Asbestos cement products

Broader term..... Concrete products
Related term..... Autoclaved products
Related term..... Concrete pipes
Related term..... Autoclaving
Related term..... Shingles

Term: Asphalts

Broader term..... Bitumens

Term: asr

Use..... Alkali silica reactions (ASR)

Term: astm c 1074

Use..... Maturity method test (Hardened concrete, ASTM C 1074)

Term: Atmospheric corrosion

Broader term..... Corrosion

Term: Atmospheric corrosion tests

Broader term..... Corrosion tests
Related term..... Humidity

Term: Atmospheric pressure steam curing

Broader term..... Curing
Broader term..... Steam curing
Related term..... Autoclaving
Related term..... Kilns
Used for..... Soaking
Used for..... low pressure steam curing

Term: Atmospheric temperature

Use..... Temperature

Term: Atomic absorption spectroscopy

Use..... Atomic spectroscopy

Term: atomic emission spectrometry

Use..... Flame photometry

Term: Atomic reactors

Use..... Nuclear reactors

Term: Atomic spectroscopy

Broader term..... Spectroscopy
Used for..... Atomic absorption spectroscopy
Related term..... X ray spectroscopy
Related term..... Ultraviolet spectroscopy

Term: Attapulgite

Broader term..... Clay minerals
Broader term..... Silicates

Term: Atterberg limits

Related term..... Soil tests

Term: Auditoriums

Broader term..... Buildings
Related term..... Recreational facilities
Related term..... Theaters
Related term..... School buildings

Term: Augered piles

Broader term..... Piles
Used for..... drilled piles

Term: Autoclave expansion test

Broader term..... Autoclave tests

Term: Autoclave tests

Broader term..... Tests
Narrower term..... Autoclave expansion test
Broader term..... Portland cement physical tests
Related term..... Soundness

Term: autoclaved aerated concretes (AAC)

Use..... Autoclaved cellular concretes (ACC)

Term: Autoclaved cellular concretes (ACC)

Broader term..... Cellular concretes
Broader term..... Autoclaved products

Used for..... steam cured lightweight concretes
Used for..... autoclaved aerated concretes (AAC)

Term: Autoclaved products

Broader term..... Concrete products
Narrower term..... Autoclaved cellular concretes (ACC)
Related term..... Asbestos cement products
Related term..... Cellular concretes

Term: Autoclaves

Related term..... Autoclaving
Broader term..... Pressure vessels
Broader term..... Curing kilns

Term: Autoclaving

Broader term..... High pressure steam curing
Broader term..... Steam curing
Broader term..... Curing
Related term..... Silica flour
Related term..... Hydrothermal reactions
Related term..... Autoclaves
Related term..... Atmospheric pressure steam curing
Related term..... Asbestos cement products

Term: autogenous grinding

Use..... Autogenous mills

Term: autogenous healing

Related term..... Cracking

Term: Autogenous mills

Broader term..... Grinding mills
Used for..... autogenous grinding

Term: Autogenous shrinkage

Related term..... Shrinkage
Broader term..... Chemical shrinkage

Term: Automatic control

Related term..... Automation

Term: Automation

Related term..... Automatic control
Broader term..... Cement manufacturing
Related term..... Control equipment
Related term..... Computers

Term: Automobiles

Term: Automotive fuels

Broader term..... Fuels

Term: Aviation fuels

Broader term..... Fuels
Narrower term..... Jet engine fuels

Term: Axial loads

Broader term..... Loads (forces)
Narrower term..... Triaxial loads
Narrower term..... Biaxial loads

Term: Axle loads

Broader term..... Live loads
Broader term..... Dynamic loads
Related term..... Single
Related term..... Tandem

Term: backfill

Term: Backfilling

Use..... Backfills

Term: Backfills

Related term..... Excavation
Related term..... Lean concretes
Used for..... Backfilling

Term: Backslope paving

Related term..... Bridges

Broader term..... Paving

Related term..... Slope protection

Term: bact

Use..... Best available technology (BAT)

Term: Bagasse

Related term..... Lightweight aggregates

Related term..... Fiber reinforced concretes

Broader term..... Natural fibers

Related term..... Insulating concretes

Used for..... sugarcane bagasse

Term: Bagging

Used for..... sacking

Term: Baghouse filters

Broader term..... Filters

Broader term..... Baghouses

Used for..... fabric filters

Term: Baghouses

Narrower term..... Baghouse filters

Broader term..... Dust collectors

Term: Balconies

Broader term..... Building components

Term: ball coatings

Use..... Ball mills

Term: ball milling

Use..... Grinding (Comminution)

Term: Ball mills

Broader term..... Secondary crushers

Broader term..... Grinding mills

Used for..... balls

Used for..... ball coatings

Term: Ballast

Term: ballastless tracks

Use..... Slab tracks

Term: balls

Use..... Ball mills

Term: Bamboo

Related term..... Plant fibers

Term: Band shells

Related term..... Buildings

Related term..... Recreational facilities

Term: Bands

Use..... Fasteners

Term: Banks (buildings)

Broader term..... Commercial buildings

Term: Bar reinforcement

Broader term..... Reinforcing materials

Narrower term..... Steel reinforcement

Related term..... Structural members

Used for..... bars

Term: Barges

Related term..... Ships

Related term..... Boats

Term: Barite

Broader term..... Sulfates

Related term..... Heavyweight aggregates

Term: Barium

Term: Barium aluminates

Broader term..... Aluminum inorganic compounds

Term: Barium cements

Broader term..... Cements

Term: Barium hydroxides

Broader term..... Barium inorganic compounds

Broader term..... Hydroxides

Term: Barium inorganic compounds

Related term..... Alkaline earth compounds

Narrower term..... Barium sulfates

Narrower term..... Barium hydroxides

Term: Barium sulfates

Broader term..... Barium inorganic compounds

Broader term..... Sulfates

Term: Barns

Broader term..... Farm buildings

Related term..... Dairy buildings

Term: Barrel shells

Broader term..... Shells (structural forms)

Related term..... Cylindrical shells

Term: Barriers

Narrower term..... Median barriers

Term: bars

Use..... Bar reinforcement

Term: Basalt

Broader term..... Natural aggregates

Broader term..... Igneous rocks

Term: Base courses

Broader term..... Pavements

Narrower term..... Cement-treated bases (CTB)

Narrower term..... Cement modified soils (CMS)

Used for..... bases (foundations)

Term: Base isolation

Broader term..... Earthquake resistant structures

Broader term..... bases (foundations)

Term: Base plates

Related term..... Connections

Term: Basements

Broader term..... Underground structures

Broader term..... Building components

Used for..... cellars

Term: bases (chemical)

Use..... Hydroxides

Term: bases (foundations)

Use..... Base courses

Use..... Foundations

Narrower term..... Base isolation

Term: BAT

Use..... Best available technology (BAT)

Term: batch plants

Use..... Mixing plants

Term: Bauschinger effect

Related term..... Fatigue

Related term..... Stresses

Related term..... Tensile properties

Related term..... Crack propagation

Term: Bauxite

Related term..... Aluminum oxide

Related term..... Hydroxides

Term: Bays (structural units)

Broader term..... Building components

Term: Beach erosion

Broader term..... Erosion

Broader term..... Soil erosion

Related term..... Shore protection

Related term..... Breakwaters

Related term..... Ocean waves

Related term..... Breakwaters ocean waves

Related term..... Wave runup

Related term..... Water waves

Term: Beam column frame

Related term..... Beams

Related term..... Frames

Related term..... Columns

Term: Beams

Narrower term..... T beams

Narrower term..... Girders

Narrower term..... L beams

Narrower term..... Continuous beams

Broader term..... Structural members

Broader term..... Building components

Narrower term..... I beams

Narrower term..... Edge beams

Narrower term..... Joists

Narrower term..... Flanges

Narrower term..... Cantilever beams

Narrower term..... Spandrel beams

Narrower term..... Prestressed concrete beams

Narrower term..... Curved beams

Narrower term..... Y beams

Narrower term..... Coupling beams

Narrower term..... Double T beams

Narrower term..... Box beams

Narrower term..... Channel beams

Narrower term..... Deep beams

Narrower term..... Grade beams

Narrower term..... Trusses

Narrower term..... Composite beams

Narrower term..... Rectangular beams

Narrower term..... Stringers

Related term..... Beam column frame

Related term..... Long spans

Related term..... Columns

Used for..... concrete beams

Used for..... precast concrete beams

Used for..... Reinforced concrete beams

Term: Bearing capacity

Broader term..... Soil mechanics

Related term..... Field tests

Related term..... Compressive strength

Related term..... Plate load tests

Related term..... Soil stabilization

Related term..... Soil tests

Related term..... Resilient modulus (MR)

Related term..... Soils stability

Related term..... California bearing ratio (CBR) test

Used for..... Bearing strength

Term: Bearing strength

Use..... Bearing capacity

Term: Bearing walls

Broader term..... Walls

Related term..... Structural walls

Used for..... Load bearing walls

Term: Bearings

Used for..... Bridge bearings

Used for..... Spherical bearings

Term: Bedding

Narrower term..... Radial bedding

Narrower term..... Cradle bedding

Related term..... Concrete pipes

Related term..... Pipes (tubes)

Term: Beidellites

Broader term..... Silicates

Broader term..... Clay minerals

Term: Belfries

Use..... Bell towers

Term: Belite

Broader term..... Calcium silicates

Related term..... Portland cement compound composition

Broader term..... Dicalcium silicates (C2S)

Term: Bell towers

Used for..... Belfries

Broader term..... Towers

Used for..... Campanile

Used for..... Campanile

Term: Belt conveyors

Broader term..... Conveyors

Term: Benches

Broader term..... Concrete products

Term: Bend tests

Broader term..... Tests

Broader term..... Mechanical tests

Related term..... Ductility

Related term..... Impact tests

Related term..... Fatigue tests

Related term..... Bending

Term: Bending

Related term..... Modulus of elasticity

Related term..... Flexural strength

Related term..... Steel reinforcement

Narrower term..... Buckling

Related term..... Stresses

Related term..... Deflection

Related term..... Camber

Related term..... Stiffness

Related term..... Deformation (Elastic and inelastic)

Related term..... Bending moments

Related term..... Bend tests

Related term..... Ductility

Term: Bending moments

Broader term..... Moments

Related term..... Bending

Broader term..... Moment distribution

Related term..... Stress analysis

Term: beneficial reuse

Use..... Waste materials utilization

Term: Beneficiation

Related term..... Aggregates

Related term..... Heavy media separation

Related term..... Separation

Related term..... Refining

Related term..... Comminution

Term: Benkelman beam

Related term..... Field tests

Term: Bentonite

Broader term..... Silicates

Broader term..... Clay minerals

Term: Bents

Related term..... Frames

Term: Benzenesulfonic acids

Broader term..... Organic acids

Term: Benzoates

Broader term..... Esters

Term: Benzoic acids

Broader term..... Organic acids

Term: Beryllium inorganic compounds

Related term..... Alkaline earth compounds

Term: best available control technology

Use..... Best available technology (BAT)

Term: Best available technology (BAT)

Used for..... bact

Used for..... best available control technology

Used for..... BAT

Term: BET method

Use..... Specific surface

Term: Bezenesulfonic acids

Term: Biaxial loads

Broader term..... Axial loads

Term: Bibliographies

Related term..... Information retrieval

Term: Binders (materials)

Narrower term..... Cements

Related term..... Sealers

Related term..... Adhesives

Related term..... cohesion

Term: Bins

Related term..... Silos

Related term..... Grain elevators

Broader term..... Storage structures

Term: Birefringence

Related term..... Photoelasticity

Term: Bitumens

Narrower term..... Asphalts

Term: Bituminous coal

Broader term..... Coal

Term: Blackbody radiation

Related term..... Emissivity

Related term..... Emittance

Term: Blaine air permeability test

Broader term..... Portland cement physical tests

Broader term..... Particle size determination

Term: Blanket insulation

Use..... Thermal insulation

Term: Blast furnace slag

Broader term..... Slags

Related term..... Admixtures

Broader term..... Supplementary cementing materials (SCM)

Related term..... Granular materials

Used for..... ground granulated blast-furnace slag (GGBFS)

Term: Blast loads

Related term..... Explosions

Broader term..... Dynamic loads

Term: Blast resistant construction

Use..... Blast resistant structures

Term: Blast resistant structures

Broader term..... Structures

Used for..... Blast resistant construction

Term: Blasting

Term: Bleed air

Term: Bleeding (Fresh concrete)

Related term..... Sedimentation

Related term..... Fresh concretes

Related term..... Subsidence

Related term..... Flocculating
Related term..... Separation
Term: Bleeding tests (ASTM C 232)
Broader term..... Tests (Fresh concrete)
Term: blemishes
Use..... Surface defects
Term: Blended cements
Broader term..... Hydraulic cements
Related term..... Portland pozzolan cements
Related term..... Portland slag cements
Term: Blending
Broader term..... Mixing
Narrower term..... Homogenizing
Term: Blistering
Broader term..... Surface defects
Term: Block pavements
Broader term..... Pavements
Related term..... Interlocking blocks
Related term..... Paving blocks
Used for..... brick pavements
Used for..... pavers
Term: Blocks
Broader term..... Concrete products
Broader term..... Masonry
Narrower term..... Paving blocks
Narrower term..... Concrete blocks
Narrower term..... Hollow core blocks
Narrower term..... Lightweight blocks
Narrower term..... Glass blocks
Term: blocks (concrete)
Use..... Concrete blocks
Term: Blowers
Related term..... Exhaust systems
Term: Boats
Narrower term..... Canoes
Related term..... Barges
Related term..... Ships
Term: bogue calculation
Use..... Portland cement compound composition
Term: Bolometers
Broader term..... Thermal measuring instruments
Term: Bolted connections
Broader term..... Connections
Term: Bolts
Narrower term..... Anchor bolts
Related term..... Studs
Related term..... Anchors (fasteners)
Broader term..... Fasteners
Narrower term..... Structural bolts
Narrower term..... Expansion bolts
Narrower term..... High strength bolts
Related term..... Couplings
Term: Bond (concrete to concrete)
Related term..... Bonding
Related term..... Mortars
Term: Bond (concrete to reinforcement)
Related term..... Bonding
Related term..... Anchorage (structural)
Related term..... Pullout tests
Term: Bond (mortar to brick)
Term: Bond (paste to aggregate)
Related term..... Bonding

Term: Bond breaking agents

Use..... Parting agents

Term: Bond length

Use..... Development length

Term: Bond stress

Broader term..... Stresses

Related term..... Bonding

Term: bonded overlays

Use..... Overlays

Term: Bonding

Related term..... Bond (concrete to reinforcement)

Related term..... Bond (concrete to concrete)

Related term..... Mortars

Related term..... Sealing

Related term..... cohesion

Related term..... Adhesion

Related term..... Bond stress

Related term..... Bond (paste to aggregate)

Related term..... Unbonded prestressing

Used for..... Bonding strength

Used for..... surface bonding

Term: Bonding agents

Use..... Adhesives

Term: Bonding strength

Use..... Bonding

Term: bootstrap method

Use..... Monte carlo method

Term: Borings

Use..... Cores

Term: Boron

Term: Bottom ash

Broader term..... Fly ash

Term: Bound water

Use..... Water of hydration

Term: Bowl classifiers

Broader term..... Classifiers

Broader term..... Wet classifiers

Term: Bowl mills

Term: Box beams

Broader term..... Beams

Narrower term..... Girders

Narrower term..... Box girder bridges

Used for..... box girders

Term: Box culverts

Broader term..... Culverts

Term: Box girder bridges

Broader term..... Box beams

Broader term..... Bridges

Used for..... box girders

Broader term..... Girder bridges

Term: box girders

Use..... Box beams

Use..... Box girder bridges

Term: Brackets

Related term..... Anchors (fasteners)

Narrower term..... Corbels

Related term..... Fasteners

Term: Break-off test (ASTM C 1150)

Broader term..... Tests (Hardened concrete)

Broader term..... Nondestructive tests

Term: Breakwaters

Broader term..... Hydraulic structures

Related term..... Shore protection

Related term..... Wave runup

Related term..... Ocean waves

Related term..... Harbor structures

Related term..... Sea walls

Related term..... Beach erosion

Term: Breakwaters ocean waves

Related term..... Beach erosion

Term: Breccia

Broader term..... Igneous rocks

Term: Bredigite

Broader term..... Silicates

Term: Brick construction

Broader term..... Construction

Related term..... Masonry

Used for..... brick structures

Used for..... masonry structures

Term: brick pavements

Use..... Block pavements

Term: brick structures

Use..... Brick construction

Term: Brick walls

Use..... Masonry walls

Term: Bricks

Broader term..... Masonry

Narrower term..... Concrete bricks

Narrower term..... Sand lime brick

Related term..... Clays

Related term..... Concrete blocks

Broader term..... Structural clay products

Narrower term..... Firebrick

Related term..... Concrete products

Related term..... Tiles

Term: Bridge abutments

Broader term..... Abutments

Related term..... Bridges

Related term..... Bridge anchorages

Related term..... Bridge foundations

Term: Bridge anchorages

Related term..... Bridges

Related term..... Bridge abutments

Related term..... Bridge piers

Broader term..... Anchorage (structural)

Related term..... Bridge foundations

Term: Bridge bearings

Use..... Bearings

Term: Bridge cranes

Term: Bridge decks

Related term..... Metal deck forms

Related term..... Pavements

Broader term..... Concrete pavements

Related term..... Bridges

Used for..... Bridge floors

Used for..... decks

Term: Bridge floors

Use..... Bridge decks

Term: Bridge foundations

Broader term..... Foundations

Related term..... Bridges

Related term..... Bridge anchorages

Related term..... Bridge piers

Related term..... Bridge abutments

Term: Bridge piers

Broader term..... Piers

Related term..... Bridges

Broader term..... Hydraulic structures

Related term..... Bridge anchorages

Related term..... Bridge foundations

Term: Bridge railings

Term: Bridge scour

Broader term..... Scour (erosion)

Term: Bridges

Broader term..... Structures

Related term..... Culverts

Related term..... Bridge decks

Related term..... Expansion joints

Related term..... Contraction joints

Used for..... prestressed concrete bridges

Narrower term..... Skew bridges

Narrower term..... Girder bridges

Narrower term..... Foot bridges

Narrower term..... Single span bridges

Narrower term..... Highway bridges

Narrower term..... Railroad bridges

Narrower term..... Cable stayed bridges

Narrower term..... Arch bridges

Narrower term..... Pontoon bridges

Narrower term..... Overpasses

Narrower term..... Floating bridges

Narrower term..... Suspension bridges

Narrower term..... Rigid frame bridges

Narrower term..... Box girder bridges

Narrower term..... Multispan bridges

Narrower term..... Cantilever bridges

Narrower term..... Lift bridges

Related term..... Bridge anchorages

Related term..... Bridge piers

Related term..... Causeways

Related term..... Bridge foundations

Related term..... Viaducts

Related term..... Backslope paving

Related term..... Bridge abutments

Related term..... Ramps

Term: Brines

Use..... Salt water

Term: briquetting

Broader term..... Compaction [concrete]

Related term..... Agglomeration

Related term..... Pelleting

Term: Broom finish

Broader term..... Finishes

Term: brooming

Use..... Finishing

Term: Brownmillerite

Used for..... C4AF

Term: brucite

Use..... Magnesium hydroxide (Mg(OH)₂)

Term: btu

Use..... Heat flow meters

Term: Bubbles

Related term..... Air entraining admixtures

Related term..... Foaming agents

Related term..... Cavitation

Term: Bucket conveyors

Broader term..... Conveyors

Term: Buckets

Term: Buckling

Broader term..... Bending

Related term..... Deformation (Elastic and inelastic)

Related term..... Concrete durability

Related term..... Strains

Related term..... Torsion

Related term..... Failure

Related term..... Warpage

Related term..... Warning systems

Term: Buff portland cements

Broader term..... Colored portland cements

Term: bugholes

Use..... Surface defects

Term: Building codes

Broader term..... Standards

Broader term..... Laws

Related term..... Design criteria

Related term..... Fire protection

Related term..... Specifications

Related term..... Criteria

Term: Building components

Broader term..... Concrete construction

Broader term..... Buildings

Narrower term..... Facings

Narrower term..... Gutters

Narrower term..... Panels

Narrower term..... Columns

Narrower term..... Slabs

Narrower term..... Fire walls

Narrower term..... Curtain walls

Narrower term..... Beams

Narrower term..... Footings

Narrower term..... Walls

Narrower term..... Bays (structural units)

Narrower term..... Chimneys

Narrower term..... Construction materials

Narrower term..... Roofs

Narrower term..... Floors

Narrower term..... Balconies

Narrower term..... Basements

Narrower term..... Stairways

Narrower term..... Ceilings (architecture)

Narrower term..... Canopies (buildings)

Term: building design

Use..... Structural design

Term: Building management

Term: building materials

Use..... Construction materials

Term: Building systems

Narrower term..... Insulating concrete forms (ICF)

Term: Buildings

Broader term..... Structures

Narrower term..... Farm buildings

Narrower term..... Parking garages

Narrower term..... Commercial buildings

Narrower term..... Gymnasiums

Narrower term..... Stadiums

Narrower term..... High rise buildings

Narrower term..... Industrial buildings

Narrower term..... School buildings

Narrower term..... Theaters
Narrower term..... Residential buildings
Narrower term..... Multistory buildings
Narrower term..... Laboratories
Narrower term..... Auditoriums
Narrower term..... Roller skating rinks
Narrower term..... Office buildings
Narrower term..... Warehouses
Narrower term..... Public buildings
Narrower term..... Historic buildings
Narrower term..... One story buildings
Narrower term..... Apartment buildings
Narrower term..... Building components
Narrower term..... Hospitals
Related term..... Hangars
Related term..... Band shells
Related term..... Water treatment plants
Related term..... Cable stayed structures
Related term..... Recreational facilities
Related term..... Waste disposal plants
Related term..... Shelters
Related term..... Architecture
Used for..... Prefabricated buildings

Term: buildups

Use..... Kiln buildup

Term: bulb tee girders

Use..... Bulb T-girders

Term: Bulb T-girders

Broader term..... Girders

Used for..... bulb tee girders

Term: Bulk density

Used for..... apparent density

Broader term..... Density (mass/volume)

Term: bulk diffusion

Term: Bulkheads

Broader term..... Walls

Related term..... Retaining walls

Related term..... Shore protection

Related term..... Sea walls

Related term..... Revetments

Related term..... Cement storage

Term: Bullfloats

Term: Bundled reinforcement

Broader term..... Steel reinforcement

Term: Burial vaults

Broader term..... Concrete products

Term: Burnability

Related term..... Portland cement raw materials

Related term..... Combustion

Used for..... burning characteristics

Used for..... combustability

Term: burning characteristics

Use..... Burnability

Term: Burning zone

Term: Burns

Narrower term..... Cement burns

Related term..... Safety engineering

Related term..... Safety

Broader term..... Hazards

Narrower term..... Chemical burns

Term: Bushhammering

Broader term..... Finishes

Term: Butt joints

Term: Buttress dams

Broader term..... Dams

Related term..... Concrete dams

Related term..... Arch dams

Related term..... Gravity dams

Term: Butyl acetates

Broader term..... Esters

Term: Butyric acid

Broader term..... Organic acids

Broader term..... Iron inorganic compounds

Broader term..... Calcium compounds

Related term..... Portland cement compound composition

Used for..... Dicalcium ferrites

Broader term..... Ferrites

Broader term..... Calcium ferrites

Term: C2SHx

Use..... Dicalcium silicate hydrates

Use..... Calcium silicate hydrates (CSH)

Term: C3A

Use..... Tricalcium aluminates

Term: C3A.3CaSO4.31-32H2O

Use..... Ettringite

Term: C3A.xCaCl2.yH2O

Use..... Calcium chloroaluminate hydrates

Term: C3A.xCaCO3.yH2O

Use..... Calcium carboaluminate hydrates

Term: C3A.xCaCO3.yH2O

Term: C3A.xCaSO4.yH2O

Use..... Calcium sulfoaluminate hydrates

Term: C3AHx

Use..... Tricalcium aluminate hydrates

Use..... Hydrogarnet

Term: C3S

Use..... Tricalcium silicates (C3S)

Term: C3SHx

Use..... Calcium silicate hydrates (CSH)

Term: C4AF

Use..... Calcium aluminoferrites

Use..... Tetracalcium aluminoferrite (C4AF)

Use..... Brownmillerite

Term: Ca(OH)2

Use..... Calcium hydroxides (CH)

Term: Cable stayed bridges

Broader term..... Bridges

Narrower term..... Stay cables

Term: Cable stayed structures

Broader term..... Structures

Related term..... Buildings

Term: Cables (ropes)

Narrower term..... Stay cables

Term: CaCO3

Use..... Calcium carbonates

Term: Cadmium

Term: Caissons

Broader term..... Hydraulic structures

Broader term..... Deep foundations

Related term..... Pile foundations

Term: calcareous cements

Use..... Cements

Term: Calcination

Related term..... Kilns

Term: calcinators

Use..... Precalciners

Use..... Heat exchangers

Term: Calcined clay

Broader term..... Supplementary cementing materials (SCM)

Broader term..... Natural pozzolans

Term: Calcined shale

Broader term..... Supplementary cementing materials (SCM)

Broader term..... Natural pozzolans

Narrower term..... Metakaolin

Term: calciners

Use..... Precalciners

Term: Calcining zone

Broader term..... Pyroprocessing

Broader term..... Rotary kilns

Term: Calcite

Broader term..... Calcium carbonates

Broader term..... Carbonates

Term: Calcium

Broader term..... Trace metals

Term: Calcium acetate

Broader term..... Calcium compounds

Term: Calcium aluminate carbonate hydrates

Use..... Calcium aluminate hydrates

Use..... Calcium carboaluminate hydrates

Term: Calcium aluminate cements (CAC)

Broader term..... Aluminate cements

Narrower term..... Regulated-set cements

Used for..... high alumina cements

Used for..... HAC

Term: Calcium aluminate chloride hydrates

Use..... Calcium chloroaluminate hydrates

Term: Calcium aluminate hydrates

Broader term..... Calcium compounds

Broader term..... Aluminum inorganic compounds

Narrower term..... Calcium sulfoaluminate hydrates

Narrower term..... Calcium chloroaluminate hydrates

Narrower term..... Calcium aluminosilicate hydrates

Narrower term..... Calcium carboaluminate hydrates

Narrower term..... Tricalcium aluminate hydrates

Related term..... Calcium aluminates

Used for..... AFm (phase)

Used for..... Calcium aluminate carbonate hydrates

Term: Calcium aluminate silicate hydrates

Use..... Calcium aluminosilicate hydrates

Term: Calcium aluminate sulfate hydrates

Use..... Calcium sulfoaluminate hydrates

Term: Calcium aluminates

Broader term..... Aluminum inorganic compounds

Broader term..... Calcium compounds

Narrower term..... Tricalcium aluminates

Related term..... Portland cement compound composition

Related term..... Expansive cements

Related term..... Calcium aluminate hydrates

Narrower term..... Dicalcium aluminates (C2A)

Term: Calcium aluminoferrites

Broader term..... Calcium compounds

Broader term..... Aluminum inorganic compounds

Broader term..... Iron inorganic compounds

Related term..... Portland cement compound composition

Related term..... Tetracalcium aluminoferrite (C4AF)

Used for..... C4AF

Used for..... Celite (cement component)

Term: Calcium aluminosilicate hydrates

Broader term..... Aluminum inorganic compounds

Broader term..... Calcium compounds

Broader term..... Calcium aluminate hydrates

Broader term..... Silicon compounds

Used for..... Calcium aluminate silicate hydrates

Term: Calcium aluminosilicates

Broader term..... Calcium compounds

Broader term..... Aluminum inorganic compounds

Broader term..... Silicon compounds

Narrower term..... Gehlenite

Narrower term..... Anorthite

Term: Calcium carboaluminate hydrates

Broader term..... Calcium compounds

Broader term..... Calcium aluminate hydrates

Broader term..... Aluminum inorganic compounds

Used for..... $C_3A.xCaCO_3.yH_2O$

Used for..... Calcium aluminate carbonate hydrates

Term: Calcium carbonates

Broader term..... Calcium compounds

Related term..... Limestone

Used for..... $CaCO_3$

Broader term..... Carbonates

Narrower term..... Calcite

Term: Calcium chlorides

Related term..... Chlorides

Broader term..... Calcium compounds

Term: Calcium chloroaluminate hydrates

Broader term..... Aluminum inorganic compounds

Broader term..... Calcium aluminate hydrates

Broader term..... Calcium compounds

Used for..... Calcium aluminate chloride hydrates

Used for..... $C_3A.xCaCl_2.yH_2O$

Term: Calcium compounds

Narrower term..... Tricalcium silicates (C3S)

Narrower term..... Calcium oxides (CaO)

Narrower term..... Hemihydrate

Narrower term..... Calcium silicate hydrates (CSH)

Narrower term..... Gypsum

Narrower term..... Calcium sulfoaluminate hydrates

Narrower term..... Calcium chlorides

Narrower term..... Calcium silicates

Narrower term..... Calcium hydroxides (CH)

Narrower term..... Calcium phosphates

Narrower term..... Tricalcium aluminates

Narrower term..... Anhydrite

Narrower term..... Calcium aluminosilicates

Narrower term..... Calcium sulfoaluminates

Narrower term..... Calcium carboaluminate hydrates

Narrower term..... Calcium chloroaluminate hydrates

Narrower term..... Calcium aluminosilicate hydrates

Narrower term..... Calcium aluminate hydrates

Narrower term..... C2F

Narrower term..... Calcium carbonates

Narrower term..... Calcium magnesiasilicates

Narrower term..... Calcium aluminates

Narrower term..... Tricalcium aluminate hydrates

Narrower term..... Calcium acetate

Narrower term..... Calcium ferrites

Narrower term..... Calcium aluminoferrites

Narrower term..... Calcium sulfoferrite hydrates

Narrower term..... Calcium ferrite hydrates
Related term..... Alkaline earth compounds
Term: Calcium ferrite hydrates
Broader term..... Iron inorganic compounds
Broader term..... Calcium compounds
Related term..... Portland cement compound composition
Narrower term..... Calcium sulfoferrite hydrates
Term: Calcium ferrites
Broader term..... Iron inorganic compounds
Broader term..... Calcium compounds
Narrower term..... C₂F
Related term..... Portland cement compound composition
Broader term..... Ferrites
Term: calcium fluorides
Use..... Cement additives (raw materials)
Term: Calcium hydroxides (CH)
Broader term..... Hydration products
Broader term..... Calcium compounds
Broader term..... Hydroxides
Related term..... Lime
Related term..... Calcium oxides (CaO)
Used for..... CH
Used for..... Ca(OH)₂
Used for..... portlandite
Term: Calcium langbeinite
Term: Calcium magnesiasilicates
Broader term..... Calcium compounds
Term: Calcium magnesium acetate
Broader term..... Deicers
Term: Calcium nitrite
Term: Calcium orthosilicates
Use..... Dicalcium silicates (C₂S)
Term: calcium oxide
Use..... Lime
Term: Calcium oxides (CaO)
Related term..... Calcium hydroxides (CH)
Broader term..... Calcium compounds
Broader term..... Oxides
Used for..... free lime
Used for..... CaO
Term: Calcium phosphates
Broader term..... Calcium compounds
Broader term..... Phosphorous inorganic compounds
Term: Calcium silicate hydrates (CSH)
Broader term..... Silicon compounds
Broader term..... Calcium compounds
Narrower term..... Tobormorite
Narrower term..... Tobermorite
Used for..... csh
Used for..... Tricalcium silicate hydrates
Used for..... c-s-h
Used for..... C₃SH_x
Used for..... C₂SH_x
Term: Calcium silicate masonry units
Broader term..... Concrete bricks
Term: Calcium silicates
Narrower term..... Tricalcium silicates (C₃S)
Broader term..... Silicates
Broader term..... Silicon compounds
Broader term..... Calcium compounds
Narrower term..... Alite
Narrower term..... Portland cement compound composition

Narrower term..... Wollastonite
Narrower term..... Belite
Term: Calcium sulfate (anhydrous)
Use..... Anhydrite
Term: Calcium sulfate (CaSO₄)
Use..... Anhydrite
Term: Calcium sulfate (hemihydrate)
Use..... Hemihydrate
Term: Calcium sulfate hydrates
Use..... Hemihydrate
Use..... Gypsum
Term: Calcium sulfates
Broader term..... Sulfates
Term: Calcium sulfoaluminate hydrates
Narrower term..... Ettringite
Broader term..... Aluminum inorganic compounds
Broader term..... Calcium aluminate hydrates
Broader term..... Calcium compounds
Used for..... Calcium aluminate sulfate hydrates
Used for..... C₃A.xCaSO₄.yH₂O
Used for..... AFt (phase)
Term: Calcium sulfoaluminates
Broader term..... Aluminum inorganic compounds
Broader term..... Calcium compounds
Related term..... Expansive cements
Related term..... Type K expansive cement
Term: Calcium sulfoferrite hydrates
Broader term..... Calcium ferrite hydrates
Broader term..... Calcium compounds
Term: Calcium sulphates
Term: Calculation
Use..... Computation
Term: Calibrated hot box
Related term..... Walls
Related term..... Heat transfer
Related term..... Dynamic tests
Related term..... Guarded hot box
Related term..... Thermal measurements
Term: Calibrating
Related term..... Measuring instruments
Related term..... Standards
Related term..... Inspection
Term: California bearing ratio (CBR) test
Related term..... Bearing capacity
Used for..... Cbr test
Term: Calorimeters
Related term..... Heat of hydration
Broader term..... Thermal measuring instruments
Related term..... High temperature tests
Related term..... Calorimetry
Term: Calorimetry
Narrower term..... Adiabatic calorimetry
Narrower term..... Conduction calorimetry
Narrower term..... Isothermal calorimetry
Related term..... Calorimeters
Term: Camber
Related term..... Deformation (Elastic and inelastic)
Related term..... Deflection
Related term..... Bending
Related term..... Curved beams
Term: Campanile
Use..... Bell towers

Use..... Canal linings

Term: Canal linings

Related term..... Canals

Used for..... Ditch linings

Used for..... Campanile

Used for..... Linings

Use..... Locks (Waterways)

Term: Canals

Broader term..... Hydraulic structures

Related term..... Locks (Waterways)

Narrower term..... Navigable canals

Narrower term..... Irrigation canals

Related term..... Drains

Related term..... Canal linings

Term: CANDE (Computer program)

Broader term..... Computer programs

Broader term..... Structural analysis

Term: Canoes

Broader term..... Boats

Term: Canopies (buildings)

Broader term..... Building components

Term: Cantilever beams

Broader term..... Beams

Related term..... T beams

Term: Cantilever bridges

Broader term..... Bridges

Related term..... Rigid frame bridges

Related term..... Railroad bridges

Related term..... Girder bridges

Term: CaO

Use..... Calcium oxides (CaO)

Term: Capacitance meters

Term: Capacitor probes

Term: Capillarity

Related term..... Surface properties

Related term..... Permeability

Related term..... Voids

Related term..... Porosity

Related term..... Rheological properties

Broader term..... Physical properties

Related term..... Viscosity

Term: Capillary space

Related term..... Hardened paste structure

Term: Capillary suction

Term: Capping

Broader term..... Specimens

Broader term..... Concrete cores

Broader term..... Cylinders

Term: Caps (supports)

Broader term..... Structural members

Related term..... Columns

Term: Carbon

Term: Carbon black

Broader term..... Pigments

Term: Carbon dioxide (CO₂)

Related term..... Carbonation

Broader term..... Oxides

Narrower term..... Carbon sequestration

Used for..... CO₂

Term: Carbon dioxide capture and storage (CCS)

Broader term..... Air pollution control equipment

Related term..... Greenhouse gases (GHG)

Related term..... Hydrogen
Used for..... co2 capture
Term: Carbon dioxide uptake
Term: Carbon fiber reinforced composites (CFRC)
Broader term..... Composite construction
Broader term..... Reinforcing materials
Used for..... CFRC
Term: Carbon fiber reinforced polymers (CFRP)
Term: Carbon fibers
Broader term..... Fibers
Term: Carbon monoxide
Broader term..... Oxides
Term: Carbon sequestration
Broader term..... Air pollution control equipment
Broader term..... Carbon dioxide (CO2)
Term: Carbon steel
Broader term..... Steels
Term: Carbonate aggregates
Broader term..... Aggregates
Narrower term..... Limestone
Narrower term..... Dolomite
Related term..... Igneous rocks
Related term..... Sedimentary rocks
Term: Carbonate cements
Broader term..... Cements
Term: Carbonates
Narrower term..... Calcite
Narrower term..... Dolomite
Narrower term..... Calcium carbonates
Narrower term..... Magnesite
Narrower term..... Hagnesite
Narrower term..... Siderite
Term: Carbonation
Related term..... pH
Related term..... Carbon dioxide (CO2)
Related term..... Salamanders
Term: Carbonation tests
Broader term..... Tests (Hardened concrete)
Term: Carboxylic acid esters
Broader term..... Esters
Used for..... hydroxycarboxylic acids
Term: carboxylic acids
Broader term..... Organic acids
Narrower term..... fatty acids
Related term..... Acids
Term: Carpet drag finish
Broader term..... Finishes
Broader term..... Pavement texture
Term: Carports
Term: CaSO4(1/2H2O)
Use..... Hemihydrate
Term: CaSO4(2H2O)
Use..... Gypsum
Term: Cast in place concrete
Term: Cast in place connections
Broader term..... Connections
Term: Cast in place pipes
Broader term..... Concrete pipes
Related term..... Irrigation pipes
Term: Cast stone
Broader term..... Casting
Broader term..... Catch basins

Broader term..... Concrete products
Related term..... Galvanic corrosion
Related term..... Corrosion resistance

Term: Casting

Narrower term..... Cast stone
Related term..... Placing
Related term..... Precast concrete

Term: Catch basins

Narrower term..... Cast stone

Term: Cathodic protection

Related term..... Corrosion
Related term..... Anodic protection
Related term..... Corrosion resistance
Related term..... Galvanic corrosion

Term: Causeways

Related term..... Bridges
Broader term..... Hydraulic structures
Related term..... Embankments

Term: Caustic soda

Use..... Sodium hydroxide

Term: Caustics

Use..... Alkalies

Term: Cavitation

Related term..... Erosion
Broader term..... Hydraulics
Related term..... Bubbles

Term: Cavities

Related term..... Ducts
Related term..... Openings
Related term..... Vents
Related term..... Ports (openings)

Term: Cavity walls

Broader term..... Walls

Term: Cbr test

Use..... California bearing ratio (CBR) test

Term: Ceilings (architecture)

Broader term..... Building components
Related term..... Acoustic insulation
Related term..... Wallboard
Narrower term..... Suspended ceilings

Term: Celite

Broader term..... Diatomaceous earth

Term: Celite (cement component)

Use..... Calcium aluminoferrites

Term: cellars

Use..... Basements

Term: Cellular concretes

Related term..... Autoclaved products
Broader term..... Concretes
Broader term..... Lightweight concretes
Narrower term..... Autoclaved cellular concretes (ACC)
Related term..... Foaming agents
Related term..... Aluminum powder
Related term..... Insulating concretes
Used for..... Foamed concretes
Used for..... Aerated concretes

Term: Cellulosic resins

Broader term..... Organic compounds
Broader term..... Resins
Broader term..... Plastics
Related term..... Polymers

Term: Cement additives (clinker)

Broader term..... Admixtures
Narrower term..... Grinding aids
Used for..... intergrinding
Broader term..... Portland cement raw materials
Narrower term..... Limestone additions
Related term..... Cement additives (raw materials)
Related term..... Pigments
Related term..... Cements
Used for..... additions
Used for..... additives

Term: Cement additives (raw materials)

Related term..... Admixtures
Related term..... Cement additives (clinker)
Broader term..... Portland cement raw materials
Narrower term..... Mineralized cements
Used for..... mineralizers
Used for..... additives
Used for..... additions
Used for..... fluxes
Used for..... calcium fluorides

Term: Cement aggregate reactions

Narrower term..... Alkali aggregate reactions (AAR)
Related term..... Aggregates
Broader term..... Deterioration
Narrower term..... Reactive aggregates
Related term..... Concrete durability
Related term..... Cements

Term: Cement based paints

Broader term..... Paints

Term: Cement burns

Broader term..... Burns

Term: Cement chemistry

Narrower term..... Chemical incompatibilities
Related term..... Chemical analysis
Used for..... concrete chemistry

Term: cement clinkers

Use..... Portland cement clinker
Use..... Clinker

Term: Cement composites

Term: Cement compound composition

Narrower term..... Portland cement compound composition
Narrower term..... Phase transitions
Narrower term..... Phase composition

Term: Cement content test (ASTM C 1078)

Broader term..... Cement content tests

Term: Cement content tests

Related term..... Fresh concretes
Related term..... Mix proportioning
Broader term..... Tests (Fresh concrete)
Narrower term..... Cement content test (ASTM C 1078)
Related term..... Hardened concretes
Used for..... Cement factor

Term: Cement coolers

Broader term..... Cement plant equipment

Term: Cement dust

Use..... Cement kiln dust (CKD)
Broader term..... Dust

Term: Cement factor

Use..... Cement content tests

Term: Cement gel

Use..... Cement pastes

Term: Cement industry

Term: Cement kiln dust (CKD)

Broader term..... Dust

Related term..... Dust collectors

Used for..... Cement dust

Used for..... CKD

Term: cement kilns

Use..... Kilns

Use..... Rotary kilns

Term: Cement lime mortars

Related term..... Mortars

Term: Cement manufacturing

Narrower term..... Grinding (Comminution)

Narrower term..... Portland cement raw materials

Narrower term..... Quality control

Narrower term..... Process control

Narrower term..... Conveying

Narrower term..... Pyroprocessing

Narrower term..... Materials handling

Narrower term..... Automation

Related term..... Portland cements

Related term..... Cement plant equipment

Narrower term..... Quarries

Narrower term..... Portland cement kiln reactions

Narrower term..... Portland cement clinker cooling

Narrower term..... Dry process

Narrower term..... Wet process

Narrower term..... Kilns

Related term..... Cement quality

Related term..... Cement plants

Used for..... Cement production

Term: cement modified bases

Use..... Cement-treated bases (CTB)

Term: cement modified soils

Use..... Soil cement

Term: Cement modified soils (CMS)

Broader term..... Soil stabilization

Broader term..... Base courses

Related term..... Cement-treated bases (CTB)

Related term..... Soil cement

Term: cement modified subbases

Use..... Cement-treated bases (CTB)

Term: Cement pastes

Broader term..... Portland cements

Narrower term..... Hardened paste structure

Related term..... Gels

Related term..... Microporosity

Related term..... Specific surface

Related term..... Pastes

Used for..... neat cement pastes

Used for..... Cement gel

Term: Cement plant equipment

Broader term..... Cement plants

Narrower term..... Air pollution control equipment

Narrower term..... Chimneys

Narrower term..... Clinker coolers

Narrower term..... Grinding (Comminution)

Narrower term..... Rotary kilns

Narrower term..... Crushers

Narrower term..... Dust collectors

Narrower term..... Preheaters

Narrower term..... Clinker breakers

Narrower term..... Cement coolers

Narrower term..... Conveyors

Narrower term..... Fans

Related term..... Cement manufacturing

Term: Cement plant equipment upgrades

Broader term..... Cement plants

Used for..... equipment updating

Used for..... plant upgrading

Used for..... equipment upgrades

Used for..... plant updating

Used for..... plant modernization

Term: Cement plants

Narrower term..... Grinding mills

Narrower term..... Environmental controls

Narrower term..... Kilns

Related term..... Cement manufacturing

Narrower term..... Cement plant equipment upgrades

Narrower term..... Preheaters

Narrower term..... Cement plant equipment

Related term..... Cement quality

Term: Cement production

Use..... Cement manufacturing

Term: Cement quality

Related term..... Process control

Related term..... Cement plants

Related term..... Cement manufacturing

Related term..... Quality control

Used for..... Variations in cement quality

Term: Cement rock

Term: Cement storage

Narrower term..... Silos

Related term..... Stockpiling

Broader term..... Storage structures

Narrower term..... Warehouse set

Related term..... Materials handling

Related term..... Conveying

Related term..... Aeration

Related term..... Bulking

Related term..... Pelleting

Term: cement treated soils

Use..... Soil cement

Term: cement treated subbases

Use..... Cement-treated bases (CTB)

Term: Cement types

See also... Portland cements

Term: Cement-based materials

Term: cementitious materials

Use..... Pozzolans

Term: Cements

Broader term..... Construction materials

Narrower term..... Portland cements

Narrower term..... High alkali cements

Narrower term..... Pozzolan cements

Narrower term..... Hydraulic cements

Narrower term..... Regulated-set cements

Related term..... Concretes

Related term..... Cement aggregate reactions

Related term..... Soil cement

Related term..... Cement additives (clinker)

Broader term..... Binders (materials)

Narrower term..... Phosphate cements

Narrower term..... Self stressing cements

Narrower term..... Resin cements

Narrower term..... Low alkali cements
Narrower term..... Supersulfated cements
Narrower term..... Natural cements
Narrower term..... Carbonate cements
Narrower term..... Slag cements
Narrower term..... Magnesium cements
Narrower term..... Strontium cements
Narrower term..... Silicate cements
Narrower term..... Barium cements
Narrower term..... Lime cements
Related term..... Epoxy resins
Related term..... Grout
Related term..... Mortars
Used for..... calcareous cements
Term: cement-stabilized bases
Use..... Cement-treated bases (CTB)
Term: cement-stabilized roadbeds
Use..... Cement-treated bases (CTB)
Term: cement-treated aggregate bases
Use..... Cement-treated bases (CTB)
Term: Cement-treated bases (CTB)
Broader term..... Soil cement
Used for..... cement-stabilized roadbeds
Used for..... soil cement bases
Used for..... cement-treated aggregate bases
Used for..... cement-stabilized bases
Broader term..... Base courses
Broader term..... Subbases
Related term..... Cement modified soils (CMS)
Used for..... cement treated subbases
Used for..... soil cement subbases
Used for..... cement modified subbases
Used for..... cement modified bases
Term: CEMHYD3D (Computer program)
Broader term..... Microstructure
Term: Central mixing plants
Broader term..... Soil cement
Term: Centrally mixed concrete
Use..... Ready mixed concrete
Term: Ceramic fibers
Broader term..... Fibers
Term: Ceramic materials
Use..... Ceramics
Term: Ceramic tiles
Broader term..... Structural clay products
Term: Ceramics
Related term..... Clays
Used for..... Ceramic materials
Term: Ceramics Production
Term: CFRC
Use..... Carbon fiber reinforced composites (CFRC)
Term: CH
Use..... Calcium hydroxides (CH)
Term: Chain systems
Related term..... Heat transfer
Related term..... Kilns
Used for..... kiln chains
Term: Channel beams
Broader term..... Beams
Related term..... T beams
Used for..... Channel slabs
Term: Channel slabs

Use..... Channel beams

Term: Charge measuring instruments

Broader term..... Measuring instruments

Term: chemical admixtures

Broader term..... Admixtures

Term: Chemical analysis

Narrower term..... Infrared spectroscopy

Narrower term..... Nuclear magnetic resonance (NMR)

Related term..... Cement chemistry

Broader term..... Physical properties

Broader term..... Chemical tests

Narrower term..... Chromatography

Narrower term..... Quantitative analysis

Narrower term..... Qualitative analysis

Narrower term..... Flame photometry

Narrower term..... Gas analysis

Narrower term..... Electron diffraction

Narrower term..... Gravimetric analysis

Narrower term..... Microanalysis

Narrower term..... Optical chemical analysis

Narrower term..... Neutron activation analysis

Narrower term..... Portland cement chemical analysis

Narrower term..... Polarographic analysis

Related term..... Turbidimeters

Related term..... X ray analysis

Related term..... Hygrometers

Related term..... Electron probes

Related term..... Spectroscopy

Related term..... Photometry

Related term..... Titration

Related term..... Potentiometric analysis

Related term..... Trace elements

Related term..... Portland cement raw materials

Used for..... analysis

Used for..... chemical composition

Used for..... Analytical chemistry

Term: Chemical attack

Broader term..... Deterioration

Narrower term..... deicing chemicals

Related term..... Scaling

Related term..... Acid resistance

Related term..... Thermal resistance (R)

Related term..... Oxidation

Related term..... Degradation

Related term..... Corrosion

Related term..... Rusting

Related term..... Impregnating

Used for..... Chemical resistance

Term: Chemical burns

Broader term..... Burns

Term: Chemical cleaning

Broader term..... Cleaning

Related term..... Acid treatment (concrete)

Term: chemical composition

Use..... Chemical analysis

Term: Chemical engineering

Broader term..... Engineering

Term: Chemical finishes

Broader term..... Finishes

Term: Chemical incompatibilities

Broader term..... Cement chemistry

Used for..... incompatibility

Used for..... interactions

Term: Chemical potential

Term: Chemical resistance

Use..... Chemical attack

Term: Chemical resistant coatings

Broader term..... Coatings

Term: Chemical shrinkage

Broader term..... Shrinkage

Narrower term..... Autogenous shrinkage

Term: Chemical tests

Broader term..... Tests

Narrower term..... Chemical analysis

Narrower term..... Quantitative analysis

Related term..... Corrosion tests

Related term..... Corrosion resistance

Related term..... Inspection

Related term..... Stress corrosion resistance

Related term..... Nondestructive tests

Related term..... Staining

Related term..... Quality control

Related term..... Sampling concrete

Broader term..... Physical tests

Narrower term..... Gas analysis

Narrower term..... Acid resistance tests

Narrower term..... Optical chemical analysis

Narrower term..... Titration

Narrower term..... Qualitative analysis

Narrower term..... Rapid chloride permeability test (RCPT)

Narrower term..... Gravimetric analysis

Narrower term..... Immersion tests (corrosion)

Narrower term..... Polarographic analysis

Narrower term..... Stress corrosion tests

Narrower term..... Surface chloride profile tests (SCPT)

Term: Chemically-induced defects

Term: Chert

Broader term..... Natural aggregates

Broader term..... Sedimentary rocks

Term: Chimneys

Broader term..... Cement plant equipment

Broader term..... Building components

Related term..... Plumes

Related term..... Flues

Related term..... Vents

Related term..... Dust collectors

Related term..... Exhaust systems

Used for..... smokestacks

Used for..... exhaust stacks

Used for..... smoke stacks

Term: chipboard

Term: Chloride content test (ASTM C 1152)

Broader term..... Chlorides

Broader term..... Tests (Hardened concrete)

Term: Chloride ingress

Related term..... Rapid chloride permeability test (RCPT)

Term: Chloride ion diffusion

Term: Chloride removal

Use..... Electrochemical chloride extraction (ECE)

Term: Chlorides

Related term..... Corrosion

Broader term..... Chlorine compounds

Narrower term..... Silicon chlorides

Narrower term..... Sulfur chlorides

Narrower term..... Sodium chloride (NaCl)
Narrower term..... Magnesium chlorides (MgCl₂)
Narrower term..... Potassium chlorides
Narrower term..... Titanium chlorides
Narrower term..... Chloride content test (ASTM C 1152)
Narrower term..... Hydrochloric acid
Narrower term..... Zirconium chlorides
Narrower term..... Zinc chlorides
Related term..... Surface chloride profile tests (SCPT)
Related term..... Calcium chlorides

Term: Chlorine compounds

Narrower term..... Chlorides
Narrower term..... Chlorine inorganic compounds
Narrower term..... Chlorine organic compounds

Term: Chlorine inorganic compounds

Broader term..... Chlorine compounds

Term: Chlorine organic compounds

Broader term..... Chlorine compounds

Term: Chloroprene resins

Broader term..... Elastomers

Term: Chord modulus

Related term..... Modulus of elasticity

Term: chromatographic analysis

Use..... Chromatography

Term: Chromatography

Broader term..... Chemical analysis
Narrower term..... Paper chromatography
Narrower term..... Spectrophotometry
Narrower term..... Ion chromatography
Narrower term..... Gas chromatography
Narrower term..... Liquid chromatography
Related term..... Colorimetry
Used for..... chromatographic analysis

Term: Chromium

Narrower term..... Hexavalent chromium (Cr(VI))
Broader term..... Trace metals

Term: Chromium oxides

Broader term..... Oxides
Related term..... Pigments

Term: chromium VI

Use..... Hexavalent chromium (Cr(VI))

Term: Church buildings

Use..... Religious buildings

Term: Churches

Use..... Religious buildings

Term: Chutes

Related term..... Placing
Related term..... Conveyors
Related term..... Materials handling

Term: Ciment Fondu

Term: Cinders

Broader term..... Synthetic aggregates
Related term..... Lightweight aggregates
Related term..... Slags

Term: Circular beams

Use..... Curved beams

Term: Circular prestressing

Broader term..... Prestressing
Related term..... Concrete pipes
Related term..... Post tensioning

Term: Cisterns

Term: Citrates

Broader term..... Esters

Term: Civil engineering

Broader term..... Construction

Broader term..... Engineering

Narrower term..... Engineering geology

Narrower term..... Rock mechanics

Narrower term..... Soil mechanics

Narrower term..... Underground structures

Narrower term..... Water supply

Narrower term..... Public works

Related term..... Structural engineering

Related term..... Stress analysis

Related term..... Surveys

Related term..... Urban planning

Related term..... Hydraulics

Term: Civil works

Term: CKD

Use..... Cement kiln dust (CKD)

Term: Classifiers

Broader term..... Separators

Narrower term..... Wet classifiers

Narrower term..... Magnetic separators

Narrower term..... Bowl classifiers

Narrower term..... Cyclone separators

Narrower term..... Cone classifiers

Narrower term..... Vibrating screens

Narrower term..... Revolving screens

Narrower term..... Spiral classifiers

Term: Clay minerals

Narrower term..... Bentonite

Related term..... Clays

Broader term..... Silicates

Narrower term..... Attapulgite

Narrower term..... Talc

Narrower term..... Montmorillonite

Narrower term..... Beidellites

Narrower term..... Fullers earth

Narrower term..... Fireclays

Narrower term..... Kaolin

Narrower term..... Halloysite

Narrower term..... Illite

Narrower term..... Glauconite

Related term..... Vermiculite

Related term..... Marls

Related term..... Refractories

Term: Clay soils

Broader term..... Soils

Related term..... Clays

Term: Clays

Narrower term..... Montmorillonite

Narrower term..... Kaolin

Related term..... Expanded clay aggregates

Related term..... Lightweight aggregates

Related term..... Fines

Related term..... Shales

Related term..... Clay soils

Related term..... Sulfates

Related term..... Vermiculite

Related term..... Clay minerals

Related term..... Bricks

Related term..... Grout

Related term..... Structural clay products

Related term..... Ceramics

Term: Cleaning

Narrower term..... Abrasive blasting

Narrower term..... Acid treatment (concrete)

Narrower term..... Cleaning agents

Narrower term..... Chemical cleaning

Related term..... Scarifying

Term: Cleaning agents

Broader term..... Agents

Broader term..... Cleaning

Related term..... Absorbents

Related term..... Surfactants

Related term..... Adsorbents

Related term..... Solvents

Related term..... Detergents

Term: Climate

Term: Climate change

Broader term..... Environmental management

Narrower term..... Urban heat island (UHI)

Used for..... global warming

Term: Climbing forms

Broader term..... Formwork

Term: Clinker

Narrower term..... Portland cement clinker

Used for..... cement clinkers

Related term..... Sinter (material)

Term: Clinker breakers

Broader term..... Cement plant equipment

Term: Clinker conveyors

Broader term..... Conveyors

Term: Clinker coolers

Narrower term..... Grate coolers

Narrower term..... Gravitation coolers

Narrower term..... Planetary coolers

Related term..... Tertiary air

Broader term..... Cement plant equipment

Term: clinker dust

Use..... Dust

Term: clinker mills

Use..... Finish grinding

Use..... Finish mills

Term: Closed-circuit grinding

Broader term..... Grinding (Comminution)

Term: CO2

Use..... Carbon dioxide (CO2)

Term: co2 capture

Use..... Carbon dioxide capture and storage (CCS)

Term: Coal

Broader term..... Fossil fuels

Narrower term..... Anthracite

Narrower term..... Coal dust

Narrower term..... Bituminous coal

Narrower term..... Lignite

Related term..... Coal gas

Related term..... Pulverized fuels

Term: coal ash

Use..... Fly ash

Term: Coal combustion products (CCP)

Narrower term..... Fly ash

Term: Coal dust

Broader term..... Coal

Broader term..... Dust

Term: Coal gas

Related term..... Coal

Term: Coarse aggregates

Broader term..... Aggregates

Term: Coastal engineering

Broader term..... Engineering

Related term..... Shore protection

Term: Coated aggregates

Broader term..... Aggregates

Term: Coated pipes

Broader term..... Pipes (tubes)

Term: Coatings

Related term..... Dusting

Related term..... Plasticizers

Related term..... Corrosion

Related term..... Pavements

Narrower term..... Paints

Narrower term..... Sprayed coatings

Narrower term..... Heat resistant coatings

Narrower term..... Protective coatings

Narrower term..... Abrasion resistant coatings

Narrower term..... Organic coatings

Narrower term..... Chemical resistant coatings

Narrower term..... Waterproof coatings

Narrower term..... Fire resistant coatings

Narrower term..... Epoxy coatings

Narrower term..... Reflective coatings

Related term..... Corrosion resistance

Related term..... Facings

Related term..... Linseed oil

Related term..... Sealers

Used for..... surface coatings

Term: Codes

Broader term..... Standards

Term: Coefficient of expansion

Use..... Thermal expansion

Term: Coefficient of friction

Use..... Friction

Term: Coefficient of thermal expansion

Use..... Thermal expansion

Term: Coefficient of variation

Broader term..... Statistical analysis

Related term..... Quality control

Related term..... Variations

Related term..... Standard deviation

Term: cofferdams

Related term..... Gravity dams

Broader term..... Hydraulic structures

Term: Cogeneration

Related term..... Waste heat utilization

Term: Cogeneration plants

Broader term..... Electric power plants

Term: cohesion

Related term..... Bonding

Related term..... Adhesion

Related term..... Binders (materials)

Related term..... Internal friction

Term: Cohesive soils

Broader term..... Soils

Term: Cold weather construction

Broader term..... Concrete construction

Broader term..... Construction
Narrower term..... Enclosures
Related term..... Low temperature
Related term..... Salamanders
Used for..... Winter concreting

Term: Coliseums

Use..... Stadiums

Term: Collapse

Related term..... Failure
Narrower term..... Progressive collapse

Term: Color temperature

Related term..... Emissivity

Term: colored aggregates

Use..... Decorative aggregates

Term: Colored concrete

Broader term..... Concretes
Related term..... Colors (materials)
Related term..... Colored mortar
Related term..... Colored stucco
Related term..... Pigments

Term: Colored mortar

Related term..... Colored portland cements
Related term..... Colored concrete

Term: Colored portland cements

Broader term..... Portland cements
Narrower term..... White portland cements
Related term..... Pigments
Narrower term..... Buff portland cements
Related term..... Colored mortar
Related term..... Colored stucco

Term: Colored stucco

Related term..... Colored portland cements
Related term..... Colored concrete

Term: Colorimetry

Related term..... Flame photometry
Related term..... Chromatography
Broader term..... Optical measurement
Related term..... Optical measuring instruments
Related term..... Spectrophotometry

Term: Coloring admixtures

Use..... Colors (materials)

Term: Colors (materials)

Broader term..... Physical properties
Narrower term..... Phthalocyanines
Related term..... Pigments
Related term..... Colored concrete
Related term..... Dyes
Related term..... Discoloration
Related term..... Staining
Related term..... Paints
Used for..... Coloring admixtures

Term: Columns

Broader term..... Structural members
Narrower term..... Exposed columns
Related term..... Eccentric loads
Related term..... Pilasters
Related term..... Footings
Related term..... Caps (supports)
Related term..... Beams
Related term..... Studs
Related term..... Beam column frame
Broader term..... Building components

Narrower term..... Tied columns
Narrower term..... Prestressed concrete columns
Narrower term..... Pipe columns
Narrower term..... Spiral columns
Narrower term..... Long columns
Narrower term..... Hollow concrete columns
Related term..... Reinforcement cages
Related term..... Rotational capacity
Related term..... Underpinning
Related term..... Slenderness ratio
Related term..... Piers
Used for..... Precast concrete columns

Term: combustability

Use..... Burnability

Term: combustible dusts

Use..... Dust explosions

Term: Combustion

Related term..... Fuels
Related term..... Incineration
Narrower term..... Staged combustion
Related term..... Burnability
Related term..... Fires

Term: Commercial buildings

Broader term..... Buildings
Narrower term..... Banks (buildings)
Related term..... Theaters
Narrower term..... Hotels
Narrower term..... Office buildings
Narrower term..... Shopping centers
Related term..... Public buildings
Related term..... Motels

Term: Comminution

Narrower term..... Grinding (Comminution)
Related term..... Beneficiation
Used for..... size reduction
Narrower term..... Crushers
Used for..... particle size reduction (crushing)
Used for..... milling (comminution)

Term: Compaction [concrete]

Narrower term..... Placing
Narrower term..... Consolidation
Narrower term..... Soil compacting
Narrower term..... Molding techniques
Narrower term..... Pelleting
Narrower term..... briquetting
Narrower term..... Soil stabilization
Narrower term..... Roller compacting
Narrower term..... Vibratory compacting
Narrower term..... Tamping
Related term..... Stabilization
Related term..... Vibration
Related term..... Molding materials
Related term..... Agglomeration

Term: Compaction delay

Related term..... Soil cement

Term: Compaction tests

Broader term..... Tests
Broader term..... Consistency tests
Related term..... Soil compacting

Term: Campanile

Use..... Bell towers

Term: Comparators

Broader term..... Measuring instruments

Term: Compartment mills

Broader term..... Tube mills

Term: Compatibility methods

Broader term..... Structural analysis

Related term..... Elastic analysis

Related term..... Deformation (Elastic and inelastic)

Related term..... Statically indeterminate structures

Related term..... Structural dynamics

Related term..... Finite element method

Narrower term..... Stiffness methods

Narrower term..... Unit displacement method

Related term..... Static structural analysis

Related term..... Strain energy methods

Related term..... Energy methods

Related term..... Equilibrium methods

Related term..... Complementary energy methods

Related term..... Matrix methods

Term: Complementary energy methods

Broader term..... Structural analysis

Related term..... Elastic analysis

Related term..... Statically indeterminate structures

Related term..... Compatibility methods

Broader term..... Energy methods

Related term..... Stability methods

Related term..... Strain energy methods

Term: Composite beams

Broader term..... Beams

Term: Composite construction

Narrower term..... Composite construction (concrete to concrete)

Narrower term..... Composite construction (concrete to polymers)

Narrower term..... Composite construction (concrete and steel)

Related term..... Composite materials

Broader term..... Construction

Narrower term..... Carbon fiber reinforced composites (CFRC)

Term: Composite construction (concrete and steel)

Broader term..... Concrete construction

Broader term..... Composite construction

Related term..... Metal deck forms

Term: Composite construction (concrete to concrete)

Broader term..... Concrete construction

Broader term..... Composite construction

Term: Composite construction (concrete to polymers)

Broader term..... Composite construction

Term: Composite materials

Broader term..... Construction materials

Related term..... Composite construction

Term: Compression

Narrower term..... Non rectangular compression zone

Narrower term..... Compression zone

Term: compression tests

Use..... Compressive strength tests

Term: Compression zone

Broader term..... Compression

Term: Compressive strength

Broader term..... Mechanical properties

Broader term..... Strength

Related term..... Creep

Related term..... Strength design

Related term..... Age strength relation

Related term..... Bearing capacity

Related term..... Impact tests

Related term..... Elastic properties

Related term..... Fracture properties

Related term..... Quality control

Used for..... Cylinder strength

Used for..... Crushing strength

Term: Compressive strength tests

Broader term..... Mechanical tests

Narrower term..... Concrete cores

Narrower term..... Cylinders

Broader term..... Dynamic tests

Broader term..... Tests (Hardened concrete)

Related term..... Poisson's ratio

Used for..... compression tests

Term: Compressive stress

Broader term..... Stresses

Term: Computation

Used for..... Calculation

Related term..... Data processing

Term: computer models

Use..... Computerized simulation

Term: Computer programs

Related term..... Computerized design

Narrower term..... CANDE (Computer program)

Related term..... Data processing

Related term..... Information retrieval

Term: computer simulation

Use..... Computerized simulation

Term: Computerized design

Broader term..... Structural design

Broader term..... Mathematical models

Related term..... Computerized simulation

Related term..... Computers

Related term..... Computer programs

Term: Computerized simulation

Broader term..... Mathematical models

Related term..... Computerized design

Used for..... computer models

Used for..... computer simulation

Term: Computers

Related term..... Automation

Related term..... Computerized design

Related term..... Data processing

Term: concrete

Use..... Concretes

Term: concrete beams

Use..... Beams

Term: Concrete blocks

Narrower term..... Paving blocks

Broader term..... Blocks

Broader term..... Masonry

Broader term..... Concrete products

Narrower term..... Screen blocks

Narrower term..... Hollow core blocks

Narrower term..... Lightweight blocks

Related term..... Bricks

Used for..... concrete masonry units (CMU)

Used for..... blocks (concrete)

Term: Concrete bricks

Broader term..... Concrete products

Broader term..... Bricks

Narrower term..... Calcium silicate masonry units

Narrower term..... Sand lime brick

Term: Concrete capacity design method (CCD)

Broader term..... Detailing

Term: concrete chemistry

Use..... Cement chemistry

Term: Concrete construction

Narrower term..... Joints

Narrower term..... Tilt up construction

Narrower term..... Placing

Narrower term..... Slab on ground construction

Narrower term..... Segmental construction

Narrower term..... Lift slab construction

Related term..... Prestressed concrete

Broader term..... Construction

Narrower term..... Exposed columns

Narrower term..... Cold weather construction

Narrower term..... Composite construction (concrete and steel)

Narrower term..... Hollow core slabs

Narrower term..... Insulating concrete forms (ICF)

Narrower term..... Slipform construction

Narrower term..... Hot weather construction

Narrower term..... Prefabrication

Narrower term..... Building components

Narrower term..... Composite construction (concrete to concrete)

Related term..... Precast concrete

Related term..... Formwork

Related term..... Prestressing

Related term..... Concrete pavements

Related term..... Reinforced concrete

Related term..... Underwater construction

Used for..... Reinforced concrete construction

Used for..... concrete structures

Term: Concrete cores

Broader term..... Cores

Broader term..... Compressive strength tests

Narrower term..... Capping

Term: Concrete cubes

Broader term..... Specimens

Term: Concrete dams

Narrower term..... Mass concrete

Broader term..... Dams

Narrower term..... Gravity dams

Related term..... Buttress dams

Related term..... Arch dams

Term: Concrete durability

Narrower term..... Sulfate resistance

Narrower term..... Freeze thaw durability

Related term..... Cement aggregate reactions

Related term..... Cracking

Related term..... Water cement ratio

Related term..... Fatigue

Related term..... Alkali aggregate reactions (AAR)

Broader term..... Durability

Related term..... Buckling

Related term..... Corrosion

Related term..... Deterioration

Related term..... Wetting and drying tests

Related term..... Weathering

Term: Concrete filled structural tube system (CFT)

Term: concrete masonry

Use..... Masonry

Term: concrete masonry units (CMU)

Use..... Concrete blocks

Term: Concrete microstructure

Broader term..... Microscopy

Term: Concrete mixers

Use..... Mixers

Term: Concrete mixes

Use..... Mix proportioning

Use..... Volume surface ratio

Term: Concrete ornaments

Broader term..... Concrete products

Term: Concrete panels

Related term..... Walls

Related term..... Floors

Broader term..... Concrete products

Broader term..... Panels

Related term..... Prefabrication

Used for..... Prestressed concrete panels

Used for..... Precast concrete panels

Term: Concrete pavements

Broader term..... Pavements

Narrower term..... Driveways

Narrower term..... Bridge decks

Narrower term..... Runways

Related term..... Curling

Related term..... Concrete construction

Narrower term..... Continuously reinforced concrete pavements (CRCP)

Related term..... Streets

Related term..... Test roads

Related term..... Aprons

Related term..... Skid resistance

Related term..... Shoulders

Related term..... Expressways

Related term..... Thickness design

Related term..... Paving

Related term..... Highways

Related term..... Rigid pavements

Related term..... Surface roughness

Related term..... Sidewalks

Used for..... Jointed portland cement concrete pavements (JPCP)

Used for..... airport pavements

Used for..... portland cement concrete pavements (PCCP)

Used for..... Concrete roads

Term: Concrete piles

Related term..... Footings

Broader term..... Piles

Related term..... Underpinning

Related term..... Shoring

Used for..... Precast concrete piles

Used for..... Prestressed concrete piles

Term: Concrete pipes

Narrower term..... Water pipes

Narrower term..... Sewer pipes

Narrower term..... Irrigation pipes

Related term..... Bedding

Related term..... Culverts

Broader term..... Three edge bearing test

Broader term..... Pipes (tubes)

Broader term..... Concrete products

Narrower term..... Cast in place pipes

Narrower term..... Reinforced concrete pipes

Related term..... Circular prestressing

Related term..... Drain tiles

Related term..... Asbestos cement products

Related term..... Siphons
Used for..... Prestressed concrete pipes
Term: Concrete pottery
Term: Concrete products
Narrower term..... Fences
Narrower term..... Concrete panels
Narrower term..... Autoclaved products
Narrower term..... Concrete bricks
Narrower term..... Concrete pipes
Narrower term..... Cast stone
Narrower term..... Concrete blocks
Related term..... Bricks
Related term..... Precast concrete
Narrower term..... Burial vaults
Narrower term..... Drain tiles
Narrower term..... Statues
Narrower term..... Blocks
Narrower term..... Stairs
Narrower term..... Manholes
Narrower term..... Lintels
Narrower term..... Railroad ties
Narrower term..... Swimming pools
Narrower term..... Asbestos cement products
Narrower term..... Steps
Narrower term..... Cribbing
Narrower term..... Benches
Narrower term..... Garden accessories
Narrower term..... Patios
Narrower term..... Curbs
Narrower term..... Septic tanks
Narrower term..... Tiles
Narrower term..... Concrete ornaments
Narrower term..... Poles (supports)
Related term..... Decorative concrete
Related term..... Facings
Related term..... Architectural concrete
Used for..... Ornamental concrete
Term: concrete reinforcement
Use..... Reinforcing materials
Term: Concrete roads
Use..... Concrete pavements
Term: concrete slabs
Use..... Slabs
Term: concrete steel
Use..... Steel reinforcement
Term: concrete structures
Use..... Structures
Use..... Concrete construction
Term: Concrete tile
Term: concrete tracks
Use..... Slab tracks
Term: Concrete vases
Term: concrete, fibrous
Term: Concretes
Broader term..... Construction materials
Narrower term..... Cellular concretes
Narrower term..... Expansive cement concretes
Narrower term..... Prestressed concrete
Narrower term..... Mass concrete
Narrower term..... Ferrocement
Narrower term..... No fines concrete
Narrower term..... Shotcrete

Narrower term..... Latex modified concretes
 Narrower term..... Shrinkage compensating concretes
 Narrower term..... Reinforced concrete
 Narrower term..... Vacuum treated concrete
 Narrower term..... Fresh concretes
 Narrower term..... Architectural concrete
 Narrower term..... Pumped concrete
 Narrower term..... Lightweight concretes
 Narrower term..... Precast concrete
 Narrower term..... Heavyweight concretes
 Narrower term..... Confined concrete
 Related term..... Portland cements
 Related term..... Admixtures
 Narrower term..... Exposed aggregate concrete
 Narrower term..... Colored concrete
 Narrower term..... Sulfur concretes
 Narrower term..... Aluminate concretes
 Narrower term..... Self stressing concretes
 Narrower term..... Sand gravel concrete
 Narrower term..... Refractory concretes
 Narrower term..... High strength concretes (HSC)
 Narrower term..... Hardened concretes
 Narrower term..... Terrazzo
 Narrower term..... Sulfur modified concrete
 Narrower term..... Recycled concrete
 Narrower term..... Preplaced aggregate concrete
 Narrower term..... Ready mixed concrete
 Narrower term..... Lean concretes
 Narrower term..... Polymer concretes
 Narrower term..... Roller compacted concrete (RCC)
 Narrower term..... Spun concrete
 Narrower term..... Lightweight aggregate concretes
 Narrower term..... Tremie concrete
 Narrower term..... Air entrained concretes
 Narrower term..... Fly ash concretes
 Narrower term..... Polymer portland cement concretes
 Narrower term..... Econcrete
 Narrower term..... Stamped concrete
 Narrower term..... Tamped concrete
 Narrower term..... Extruded concrete
 Related term..... Fire resistant materials
 Related term..... Sonic tests
 Related term..... Retempering
 Related term..... Cements
 Related term..... Grout
 Related term..... Soil cement
 Related term..... Mortars
 Used for..... concrete
 Used for..... normal weight concretes
Term: Condensation
 Related term..... Temperature
 Related term..... Humidity
Term: Condensation polymerization
 Related term..... Elastomers
Term: condition assessment
 Use..... Evaluation
Term: Conduction calorimetry
 Broader term..... Thermal conductivity (k)
 Broader term..... Calorimetry
Term: Conductivity
 Broader term..... Physical properties
 Narrower term..... Electrical conductivity

Related term..... Heat transfer
Narrower term..... Thermal conductivity (k)

Term: conduits

Use..... Pipes (tubes)

Term: Cone classifiers

Broader term..... Classifiers

Broader term..... Wet classifiers

Term: Cone crushers

Broader term..... Gyratory crushers

Broader term..... Crushers

Term: conferences

Use..... Meetings

Term: Confidence limits

Broader term..... Statistical analysis

Related term..... Predictions

Related term..... Measurement

Related term..... Quality control

Related term..... Sampling concrete

Related term..... Reliability

Related term..... Forecasting

Related term..... Statistical tests

Related term..... Variability

Term: Confined concrete

Related term..... Steel reinforcement

Broader term..... Concretes

Related term..... Reinforced concrete

Term: Connections

Narrower term..... Cast in place connections

Related term..... Joints

Related term..... Anchorage (structural)

Narrower term..... Scarf connections

Narrower term..... Welded connections

Narrower term..... Horizontal connections

Narrower term..... Bolted connections

Narrower term..... Lap connections

Related term..... Adhesives

Related term..... Base plates

Related term..... Fasteners

Term: Connectors

Narrower term..... Shear connectors

Related term..... Joints

Related term..... Flanges

Related term..... Fasteners

Term: Consistency tests

Broader term..... Tests

Narrower term..... Slump tests

Related term..... Workability

Related term..... Fresh concretes

Broader term..... Tests (Fresh concrete)

Narrower term..... Normal consistency tests

Narrower term..... Flow trough tests

Narrower term..... Flow table tests

Narrower term..... Remolding tests

Narrower term..... Compaction tests

Narrower term..... Vebe tests

Related term..... Penetration tests

Related term..... Viscometers

Term: Consolidation

Broader term..... Placing

Related term..... Solidification/stabilization

Broader term..... Soil mechanics

Broader term..... Compaction [concrete]

Related term..... Vibration

Related term..... Stabilization

Related term..... Tamping

Term: Constitutive relations of concrete

Use..... Mechanical properties

Use..... Physical properties

Term: Construction

Narrower term..... Slab on ground construction

Narrower term..... Lift slab construction

Narrower term..... Concrete construction

Narrower term..... Brick construction

Narrower term..... Composite construction

Narrower term..... Segmental construction

Narrower term..... Tilt up construction

Narrower term..... Excavation

Narrower term..... Site preparation

Related term..... Quality control

Narrower term..... Large panel construction

Narrower term..... Hot weather construction

Narrower term..... Steel construction

Narrower term..... Modular construction

Narrower term..... Civil engineering

Narrower term..... Cold weather construction

Narrower term..... Sandwich structures

Narrower term..... Underground structures

Narrower term..... Underwater construction

Related term..... Incremental launching method

Related term..... Contractors

Related term..... Contracts

Related term..... Specifications

Related term..... Welding

Related term..... Masonry

Related term..... Rebuilding

Related term..... Stress analysis

Related term..... Prefabrication

Related term..... Structures

Related term..... Inspection

Related term..... Surveys

Related term..... Continuity (structural)

Related term..... Safety engineering

Related term..... Maintenance

Related term..... Construction equipment

Related term..... Structural engineering

Term: Construction costs

Broader term..... Costs

Term: Construction equipment

Narrower term..... Mixers

Related term..... Construction

Narrower term..... Paving equipment

Narrower term..... Cranes (hoists)

Related term..... Pumps

Related term..... Launching trusses

Term: Construction joints

Broader term..... Joints

Related term..... Expansion joints

Related term..... Isolation joints

Related term..... Contraction joints

Term: Construction materials

Narrower term..... Roofing

Narrower term..... Aggregates

Narrower term..... Adhesives

Narrower term..... Lath

Narrower term..... Grout
Narrower term..... Wallboard
Narrower term..... Mortars
Narrower term..... Insulation
Narrower term..... Stucco
Narrower term..... Lumber
Narrower term..... Sealants
Narrower term..... Structural steels
Related term..... Paints
Related term..... Reinforced concrete
Broader term..... Steel reinforcement
Broader term..... Building components
Narrower term..... Concretes
Narrower term..... Reinforcing materials
Narrower term..... Plaster
Narrower term..... Steels
Narrower term..... Cements
Narrower term..... Composite materials
Narrower term..... Masonry
Related term..... Facings
Related term..... Structural clay products
Related term..... Protective coatings
Used for..... structural materials
Used for..... road materials
Used for..... building materials

Term: Containment

Narrower term..... Nuclear reactor containment
Related term..... Nuclear reactors
Related term..... Nuclear engineering
Related term..... Safety engineering
Related term..... Nuclear power plants

Term: Contaminants

Use..... Impurities

Term: Contaminated aggregates

Related term..... Aggregates

Term: Continuity (structural)

Related term..... Construction

Term: Continuous beams

Related term..... T beams
Broader term..... Beams
Related term..... Curved beams

Term: Continuous emissions monitoring system (CEMS)

Broader term..... Flue gases

Term: Continuously reinforced concrete pavements (CRCP)

Broader term..... Concrete pavements

Term: Contraction

Related term..... Shrinkage
Related term..... Expansion

Term: Contraction joints

Related term..... Isolation joints
Related term..... Construction joints
Used for..... control joints
Broader term..... Joints
Related term..... Bridges

Term: Contractors

Related term..... Construction
Related term..... Contracts

Term: Contracts

Related term..... Estimates
Related term..... Construction
Related term..... Contractors

Term: Control charts

Related term..... Standards
Related term..... Forecasting
Related term..... Predictions
Related term..... Quality control
Related term..... Planning

Term: Control equipment

Related term..... Automation
Related term..... Measuring instruments
Related term..... Process control
Related term..... Regulators
Related term..... Recording instruments

Term: control joints

Use..... Expansion joints
Use..... Contraction joints

Term: Controlled low strength materials (CLSM)

Broader term..... Soil stabilization
Used for..... flowable fill

Term: Convection

Related term..... Heat transfer

Term: conventions

Use..... Meetings

Term: Conveying

Related term..... Materials handling
Related term..... Cement storage
Related term..... Placing
Broader term..... Cement manufacturing
Narrower term..... Pneumatic conveying
Used for..... transporting

Term: Conveyors

Broader term..... Cement plant equipment
Broader term..... Materials handling
Narrower term..... Pneumatic conveyors
Narrower term..... Bucket conveyors
Narrower term..... Belt conveyors
Narrower term..... Screw conveyors
Narrower term..... Vibrating conveyors
Narrower term..... Clinker conveyors
Related term..... Feeders
Related term..... Chutes

Term: cool buildings

Use..... Urban heat island (UHI)

Term: Coolers

Related term..... Heat exchangers
Related term..... Kilns
Narrower term..... Rotary coolers
Narrower term..... Gravitation coolers
Narrower term..... Grate coolers
Related term..... Heat recuperation

Term: Cooling

Related term..... Mass concrete
Related term..... Temperature rise (in concrete)
Related term..... Heat loss
Related term..... Heat transfer
Used for..... Precooling

Term: Cooling load

Related term..... Heat transfer
Related term..... Heat storage

Term: Cooling systems

Related term..... Ducts
Related term..... Exhaust systems
Related term..... Vents
Related term..... Heat sinks

Term: Cooling towers

Term: Coping

Broader term..... Masonry

Term: Copper

Broader term..... Trace metals

Term: Coquina

Broader term..... Limestone

Term: Coral

Broader term..... Natural aggregates

Term: Corbels

Broader term..... Brackets

Term: Cores

Broader term..... Specimens

Narrower term..... Concrete cores

Narrower term..... Rock cores

Related term..... Samples

Used for..... Borings

Term: Cores (formed holes)

Use..... Hollow core slabs

Term: Corrosion

Related term..... Acid resistance

Related term..... Concrete durability

Related term..... Chemical attack

Related term..... Delamination

Broader term..... Deterioration

Narrower term..... Microbially induced corrosion (MIC)

Narrower term..... Galvanic corrosion

Narrower term..... Corrosion inhibiting admixtures

Narrower term..... Atmospheric corrosion

Narrower term..... Corrosion mechanisms

Narrower term..... Stress corrosion

Narrower term..... Corrosion fatigue

Narrower term..... Rusting

Narrower term..... Stray current corrosion

Narrower term..... Sea water corrosion

Related term..... Protective coatings

Related term..... Spalling

Related term..... Marine atmospheres

Related term..... Aluminum

Related term..... Failure

Related term..... Sulfate reducing bacteria

Related term..... Alkali resistance

Related term..... Corrosion resistance

Related term..... Oxidation

Related term..... Chlorides

Related term..... Damage

Related term..... Corrosion tests

Related term..... Anodic protection

Related term..... Humidity

Related term..... Fouling (marine)

Related term..... Cathodic protection

Related term..... pH

Related term..... Electrolysis

Related term..... Passivity

Related term..... Coatings

Related term..... Pitting

Related term..... Staining

Related term..... Galvanizing

Related term..... Weathering

Term: Corrosion fatigue

Broader term..... Corrosion

Related term..... Crack propagation

Term: Corrosion inhibiting admixtures

Broader term..... Corrosion

Term: Corrosion inhibitors

Term: Corrosion mechanisms

Broader term..... Corrosion

Related term..... Corrosion tests

Term: Corrosion resistance

Narrower term..... Stress corrosion resistance

Related term..... Coatings

Related term..... Corrosion tests

Related term..... Corrosion

Related term..... Cathodic protection

Related term..... Acid resistance

Related term..... Cast stone

Related term..... Chemical tests

Related term..... Anodic protection

Related term..... Corrosion resistant steels

Related term..... Rusting

Related term..... Pitting

Related term..... Passivity

Used for..... rust prevention

Term: Corrosion resistance tests

Broader term..... Durability tests

Term: Corrosion resistant steels

Related term..... Corrosion resistance

Term: Corrosion tests

Related term..... Accelerated curing

Related term..... Corrosion

Related term..... Acid resistance

Related term..... Weathering

Broader term..... Accelerated tests

Broader term..... Tests

Narrower term..... Immersion tests (corrosion)

Narrower term..... Field corrosion tests

Narrower term..... Atmospheric corrosion tests

Narrower term..... Acid resistance tests

Narrower term..... Half cell potential test

Narrower term..... Stress corrosion tests

Narrower term..... Salt spray tests

Narrower term..... Galvanic corrosion tests

Narrower term..... Artificial weathering tests

Related term..... Chemical tests

Related term..... Corrosion resistance

Related term..... Staining

Related term..... Corrosion mechanisms

Related term..... Pitting

Term: Costs

Narrower term..... Construction costs

Related term..... Economics

Term: Coulometers

Broader term..... Measuring instruments

Broader term..... Electronic instruments

Term: Countertops

Broader term..... Architectural concrete

Term: Coupled walls

Broader term..... Structural walls

Broader term..... Walls

Related term..... Coupling beams

Term: Coupling beams

Broader term..... Beams

Related term..... Coupled walls

Term: Couplings

Related term..... Anchor bolts

Related term..... Fasteners

Related term..... Bolts

Term: Cover

Related term..... Steel reinforcement

Related term..... Thickness

Related term..... Embedment

Term: Covermeters

Term: crack and seat

Use..... Rubblizing

Term: Crack propagation

Related term..... Cracking

Related term..... Fracture mechanics

Related term..... Bauschinger effect

Related term..... Fatigue

Related term..... Crazing

Related term..... Corrosion fatigue

Term: Crack width and spacing

Related term..... Cracking

Term: Cracking

Broader term..... Surface defects

Earlier heading... Crazing

Narrower term..... Plastic shrinkage cracking

Narrower term..... Shrinkage cracking

Narrower term..... Reflective cracking

Narrower term..... D cracking

Related term..... Shrinkage

Related term..... autogenous healing

Related term..... Fatigue

Related term..... Fracturing

Broader term..... Deterioration

Narrower term..... Microcracking

Narrower term..... Thermal cracking

Related term..... Failure

Related term..... Fracture mechanics

Related term..... Crack propagation

Related term..... Stress corrosion

Related term..... Concrete durability

Related term..... Crack width and spacing

Related term..... Restraints

Term: Cradle bedding

Broader term..... Bedding

Term: Cranes (hoists)

Broader term..... Construction equipment

Narrower term..... Tower cranes

Term: Crazing

Broader term..... Surface defects

Later heading... Cracking

Related term..... Map cracking

Related term..... Fracture mechanics

Related term..... Fractures (materials)

Related term..... Crack propagation

Used for..... pattern cracking

Term: Creep

Related term..... Stress relaxation

Related term..... Compressive strength

Related term..... Tensile strength

Related term..... Fatigue

Broader term..... Deformation (Elastic and inelastic)

Broader term..... Mechanical properties

Narrower term..... Creep recovery

Related term..... Extensibility

Related term..... Plastic deformation
Related term..... Rheological properties
Related term..... Creep tests
Related term..... Tensile properties
Related term..... Strains
Related term..... Residual stress
Related term..... Shear properties
Related term..... Stresses
Related term..... Ductility
Used for..... Time dependent deflections
Used for..... Time dependent shortening

Term: Creep recovery

Broader term..... Mechanical properties
Broader term..... Creep
Related term..... Creep tests

Term: Creep tests

Broader term..... Mechanical tests
Related term..... Creep
Related term..... Torsion tests
Related term..... Plastic deformation
Related term..... Tension tests
Broader term..... Static tests
Related term..... Stress relaxation tests
Related term..... Creep recovery
Related term..... Fatigue tests
Related term..... Residual stress

Term: Cribbing

Broader term..... Concrete products
Related term..... Embankments
Related term..... Soil erosion

Term: Cristobalite

Broader term..... Silicon dioxide
Broader term..... Silica minerals

Term: Cristobalite opal

Broader term..... Silica minerals

Term: Criteria

Related term..... Standards
Related term..... Building codes

Term: Critical path method

Term: Crude oil

Broader term..... Fossil fuels

Term: Crushed stone

Broader term..... Aggregates

Term: Crushers

Broader term..... Comminution
Narrower term..... Secondary crushers
Narrower term..... Hammer crushers
Narrower term..... Cone crushers
Narrower term..... Gyrotory crushers
Narrower term..... Roll crushers
Narrower term..... Impact crushers
Narrower term..... Primary crushers
Related term..... Grinding mills
Broader term..... Cement plant equipment
Narrower term..... Jaw crushers

Term: Crushing strength

Use..... Compressive strength

Term: Cryogenics

Related term..... Temperature
Related term..... Low temperature tests
Related term..... Liquefied gases
Related term..... Liquified gases

Related term..... Low temperature

Related term..... Thermodynamics

Term: Crystal lattices

Broader term..... Microstructure

Term: Crystal structure

Broader term..... Microstructure

Related term..... Microparticles

Term: Crystallization

Related term..... Agglomeration

Related term..... Portland cement clinker

Related term..... Precipitation (chemistry)

Related term..... Sedimentation

Related term..... Phase transformations

Related term..... Solubility

Related term..... Water of hydration

Term: csh

Use..... Calcium silicate hydrates (CSH)

Term: c-s-h

Use..... Calcium silicate hydrates (CSH)

Term: Culverts

Narrower term..... Box culverts

Related term..... Roads

Related term..... Streets

Broader term..... Hydraulic structures

Related term..... Bridges

Related term..... Drains

Related term..... Concrete pipes

Term: cumulative energy demand

Used for..... Embodied energy

Term: Curbs

Broader term..... Concrete products

Related term..... Sidewalks

Related term..... Streets

Term: Curing

Narrower term..... Membrane curing

Narrower term..... Autoclaving

Narrower term..... Accelerated curing

Narrower term..... High pressure steam curing

Narrower term..... Moist curing

Narrower term..... Electric curing

Narrower term..... Infrared curing

Narrower term..... Steam curing

Narrower term..... Atmospheric pressure steam curing

Related term..... Hydration

Related term..... Hardening

Term: Curing compounds

Related term..... Retarders

Broader term..... Membrane curing

Broader term..... Agents

Related term..... Curing films and sheets

Term: Curing films and sheets

Broader term..... Membrane curing

Related term..... Curing compounds

Related term..... Vapor barriers

Term: Curing kilns

Narrower term..... Autoclaves

Term: curing membranes

Use..... Membrane curing

Term: Curling

Broader term..... Surface defects

Related term..... Concrete pavements

Term: Curtain walls

Broader term..... Walls

Broader term..... Building components

Related term..... Masonry

Term: Curved beams

Broader term..... Beams

Related term..... Continuous beams

Related term..... Camber

Used for..... Circular beams

Term: Cutoff walls

Broader term..... Walls

Narrower term..... Slurry walls

Used for..... Cut-off walls

Term: Cut-off walls

Use..... Cutoff walls

Term: Cutting

Used for..... Sawing

Used for..... Jet piercing method

Term: Cyclic loads

Broader term..... Loads (forces)

Broader term..... Dynamic loads

Related term..... Stress cycle

Related term..... Fatigue tests

Related term..... Vibration

Used for..... variable loads

Used for..... repeated loads

Used for..... Fatigue loads

Term: cyclone preheaters

Use..... Suspension preheaters

Term: Cyclone separators

Broader term..... Classifiers

Broader term..... Air pollution control equipment

Broader term..... Separators

Term: Cylinder strength

Use..... Compressive strength

Term: Cylinders

Broader term..... Specimens

Broader term..... Compressive strength tests

Narrower term..... Capping

Term: Cylindrical shells

Broader term..... Shells (structural forms)

Related term..... Barrel shells

Term: D cracking

Broader term..... Cracking

Term: Dahls method portland cement composition

Use..... Portland cement compound composition

Term: Dairy buildings

Broader term..... Farm buildings

Related term..... Barns

Term: Damage

Narrower term..... Wind damage

Related term..... Durability

Related term..... Fractures (materials)

Related term..... Discoloration

Related term..... Deterioration

Related term..... Corrosion

Related term..... Weathering

Related term..... Deformation (Elastic and inelastic)

Related term..... Wear

Related term..... Staining

Related term..... Fatigue

Related term..... Degradation

Narrower term..... Flood damage

Narrower term..... Fire damage
Related term..... Warpage
Related term..... Warning systems

Term: Damping

Broader term..... Dynamic characteristics
Related term..... Vibration
Related term..... Shock absorbers
Related term..... Dynamic response
Related term..... Absorption
Related term..... Hysteresis
Related term..... Damping capacity
Related term..... Shock resistance
Related term..... Stability
Related term..... Insulation
Related term..... Resonant frequency

Term: Damping capacity

Broader term..... Mechanical properties
Broader term..... Physical properties
Related term..... Damping
Related term..... Internal friction
Related term..... Dynamic modulus of elasticity
Related term..... Viscosity
Broader term..... Dynamic characteristics

Term: dampness

Use..... Moisture content

Term: Damproofing

Use..... Waterproofing

Term: Dams

Narrower term..... Concrete dams
Related term..... Mass concrete
Broader term..... Hydraulic structures
Narrower term..... Buttress dams
Narrower term..... Arch dams
Narrower term..... Gravity dams
Narrower term..... Rockfill dams
Narrower term..... Earth dams
Related term..... Embankments
Related term..... Hydroelectric power generation
Related term..... Spillways
Related term..... Abutments
Related term..... Flood control
Related term..... Fishways
Related term..... Penstocks
Used for..... Masonry dams

Term: Darcys law

Related term..... Permeability
Related term..... Drainage

Term: Data analysis

Use..... Data processing

Term: Data processing

Related term..... Computers
Related term..... Computation
Related term..... Computer programs
Related term..... Information retrieval
Narrower term..... Data retrieval
Narrower term..... Data reduction
Narrower term..... Data storage
Related term..... Programming languages
Used for..... Data analysis

Term: Data reduction

Broader term..... Data processing

Term: Data retrieval

Broader term..... Data processing

Term: Data storage

Broader term..... Data processing

Term: Databases

Term: dead loads

Use..... Static loads

Term: debonding

Use..... Delamination

Term: decentering

Use..... Form removal

Term: decks

Use..... Bridge decks

Term: Decomposition

Term: Decorative aggregates

Broader term..... Aggregates

Used for..... colored aggregates

Related term..... Exposed aggregate concrete

Term: Decorative concrete

Broader term..... Architecture

Related term..... Architectural concrete

Related term..... Concrete products

Related term..... Finishes

Broader term..... Texture

Narrower term..... Pattern stamping

Term: Deep beams

Broader term..... Beams

Term: Deep foundations

Narrower term..... Drilled piers

Narrower term..... Drilled shafts

Narrower term..... Caissons

Narrower term..... Pile foundations

Broader term..... Substructures

Broader term..... Foundations

Term: defects

Use..... Surface defects

Term: Deflagration

Broader term..... Flame propagation

Term: Deflection

Related term..... Bending

Related term..... Flexural strength

Related term..... Camber

Related term..... Torsion

Related term..... Deformation (Elastic and inelastic)

Related term..... Warning systems

Related term..... Warpage

Related term..... Strains

Related term..... Extensibility

Term: Deflectometers

Narrower term..... Falling weight deflectometers

Term: Deformation (Elastic and inelastic)

Narrower term..... Creep

Narrower term..... Shear properties

Narrower term..... Modulus of elasticity

Related term..... Strains

Related term..... Deflection

Related term..... Bending

Related term..... Failure

Narrower term..... Poisson's ratio

Related term..... Buckling

Related term..... Camber

Related term..... Stiffness

Related term..... Warning systems

Related term..... Compatibility methods

Related term..... Extensibility

Related term..... Mechanical properties

Related term..... Warpage

Related term..... Damage

Related term..... Torsion

Related term..... Fractures (materials)

Term: deformation (Reinforcing steels)

Use..... Steel reinforcement

Term: Deformation methods

Broader term..... Structural analysis

Narrower term..... Unit displacement method

Related term..... Matrix methods

Related term..... Stiffness methods

Related term..... Elastic analysis

Related term..... Statically indeterminate structures

Related term..... Energy methods

Term: deformations (reinforcing steels)

Use..... Steel reinforcement

Term: deformed reinforcement

Use..... Steel reinforcement

Term: Degradation

Related term..... Discoloration

Related term..... Durability

Related term..... Chemical attack

Related term..... Failure

Related term..... Thermal resistance (R)

Related term..... Erosion

Related term..... Weathering

Related term..... Deterioration

Related term..... Rusting

Related term..... Staining

Related term..... Galvanic corrosion

Related term..... Oxidation

Related term..... Pitting

Related term..... Damage

Term: Dehydration

Related term..... Hydration

Related term..... Drying

Related term..... Separation

Related term..... Evaporation

Term: Deicer scaling

Narrower term..... Surface chloride profile tests (SCPT)

Use..... Scaling

Term: Deicers

Related term..... Freeze thaw durability

Related term..... Scaling

Narrower term..... Calcium magnesium acetate

Related term..... Salts

Related term..... Deicing

Related term..... Ice prevention

Used for..... pavement deicing products (PDP)

Used for..... deicing chemicals

Term: Deicing

Related term..... Deicers

Related term..... Ice prevention

Term: deicing chemicals

Use..... Deicers

Broader term..... Chemical attack

Narrower term..... Magnesium chlorides (MgCl₂)

Term: Delamination

Broader term..... Surface defects

Related term..... Corrosion
Used for..... debonding
Term: Delay period
Use..... Presteamng period
Term: Delayed ettringite formation (DEF)
Broader term..... Ettringite
Term: Deleterious substances
Used for..... Silts
Term: Demolition
Related term..... Explosions
Term: Dense media separators
Broader term..... Separators
Term: Density (mass/volume)
Broader term..... Physical properties
Narrower term..... Bulk density
Related term..... Porosity
Related term..... Air entrainment
Related term..... Viscosity
Related term..... Permeability
Related term..... Weight measurement
Related term..... Internal friction
Used for..... Relative density
Used for..... Specific weight
Used for..... Specific gravity
Used for..... Unit weight
Used for..... Specific volume
Term: Density and yield tests (ASTM C 138)
Broader term..... Tests (Fresh concrete)
Term: Department stores
Term: dermatitis
Use..... Allergic contact dermatitis (ACD)
Term: Desalination
Broader term..... Water treatment
Related term..... Salt water
Related term..... Sea water
Used for..... desalting
Term: desalting
Use..... Desalination
Term: design
Use..... Structural design
Term: design analysis
Use..... Structural analysis
Term: Design criteria
Related term..... Building codes
Term: Desulfurization
Related term..... Fluidizing
Term: Detached plumes
Broader term..... Plumes
Term: Detailing
Broader term..... Steel reinforcement
Narrower term..... Splice length
Narrower term..... Concrete capacity design method (CCD)
Related term..... Reinforcement cages
Related term..... Structural design
Term: Detergents
Related term..... Wetting agents
Related term..... Air entraining admixtures
Related term..... Surfactants
Related term..... Cleaning agents
Related term..... Soaps
Related term..... Surfactants
Term: Deterioration

Narrower term..... Wear
Narrower term..... Sulfate attack
Narrower term..... Cracking
Narrower term..... Weathering
Narrower term..... Corrosion
Narrower term..... Cement aggregate reactions
Related term..... Concrete durability
Related term..... Erosion
Related term..... Durability
Narrower term..... Chemical attack
Related term..... Damage
Related term..... Failure
Related term..... Degradation
Used for..... distress
Used for..... premature distress
Term: Detonation
Broader term..... Flame propagation
Term: Detrainment
Broader term..... Separation
Term: Development length
Used for..... Bond length
Term: Diabase
Broader term..... Igneous rocks
Term: Diagonal tension
Related term..... Shear properties
Broader term..... Tension
Term: Diamond grinding
Broader term..... Grooving
Term: Diaphragm walls
Use..... Retaining walls
Term: Diaphragms (concrete)
Broader term..... Structural members
Term: Diaspore
Related term..... Hydroxides
Term: Diatomaceous earth
Narrower term..... Celite
Broader term..... Pozzolans
Used for..... Diatomites
Term: Diatomites
Use..... Diatomaceous earth
Term: Dibasic acid esters
Broader term..... Esters
Term: Dibasic organic acids
Broader term..... Organic acids
Term: Dicalcium aluminates (C2A)
Broader term..... Calcium aluminates
Term: Dicalcium ferrites
Use..... C2F
Term: Dicalcium silicate hydrates
Used for..... C2SH_x
Term: Dicalcium silicates (C2S)
Narrower term..... Belite
Used for..... Calcium orthosilicates
Broader term..... Silicates
Broader term..... Silicon compounds
Term: Dielectric constant
Broader term..... Electrical properties
Term: Diesel fuels
Broader term..... Fuels
Term: differential scanning calorimetry
Term: Differential settlement
Use..... Settlement (structural)

Term: Differential thermal analysis (DTA)

Used for..... DTA

Term: Diffusion

Related term..... Surface properties

Related term..... Separation

Term: Diffusivity

Related term..... Permeability

Related term..... Rheological properties

Broader term..... Physical properties

Narrower term..... Thermal diffusivity

Term: Dikes

Related term..... Earth dams

Broader term..... Hydraulic structures

Related term..... Embankments

Related term..... Revetments

Term: dilation

Use..... Volume change

Term: Dilatometers

Related term..... Extensometers

Term: Diopside

Broader term..... Silicates

Term: Diorite

Broader term..... Igneous rocks

Term: Dioxins

Broader term..... Air pollution

Term: Discoloration

Related term..... Colors (materials)

Broader term..... Surface defects

Related term..... Degradation

Related term..... Damage

Related term..... Staining

Term: Discs

Broader term..... Specimens

Term: Disk filters

Broader term..... Separators

Term: Dispersants

Broader term..... Admixtures

Related term..... Plasticizers

Related term..... Superplasticizers

Related term..... Surfactants

Related term..... Waterproofing admixtures

Broader term..... Emulsifying admixtures

Broader term..... Agents

Related term..... Wetting agents

Term: distress

Use..... Deterioration

Term: Ditch linings

Use..... Canal linings

Term: Docks

Broader term..... Hydraulic structures

Related term..... Harbor structures

Narrower term..... Drydocks

Narrower term..... Floating docks

Related term..... Wharves

Term: Dolomite

Broader term..... Carbonate aggregates

Related term..... Limestone

Broader term..... Sedimentary rocks

Broader term..... Carbonates

Term: Domes (Structural forms)

Broader term..... Shells (structural forms)

Broader term..... Structural forms

Term: Double T beams

Broader term..... Beams

Related term..... T beams

Term: Dowels

Related term..... Joints

Related term..... Pavements

Broader term..... Fasteners

Term: Draft (gases)

Related term..... Flues

Term: drain pipe

Use..... Drain tiles

Term: Drain tiles

Broader term..... Concrete products

Broader term..... Pipes (tubes)

Related term..... Concrete pipes

Related term..... Irrigation

Used for..... drain pipe

Term: Drainage

Related term..... Excavation

Broader term..... Sanitary engineering

Related term..... Irrigation

Related term..... Hydrology

Related term..... Runoff

Related term..... Drains

Related term..... Darcys law

Term: Drains

Related term..... Canals

Related term..... Culverts

Related term..... Drainage

Term: Drilled piers

Broader term..... Deep foundations

Term: drilled piles

Use..... Augered piles

Term: Drilled shafts

Broader term..... Deep foundations

Term: Drinking water

Broader term..... Water

Used for..... potable water

Term: drive systems

Term: Driveways

Broader term..... Pavements

Broader term..... Concrete pavements

Related term..... Streets

Term: Drum filters

Broader term..... Separators

Term: Dry pack mortar

Related term..... Patching

Used for..... Dry tamp mortar

Term: Dry packing mortar

Term: Dry process

Broader term..... Cement manufacturing

Related term..... Wet process

Term: Dry shake finishes

Term: Dry tamp mortar

Use..... Dry pack mortar

Term: Drydocks

Broader term..... Docks

Term: Dryers

Use..... Drying apparatus

Term: Drying

Related term..... Efflorescence

Related term..... Kilns

Related term..... Dehydration
Related term..... Absorption
Related term..... Moisture content
Related term..... Evaporation
Related term..... Moisture

Term: Drying apparatus

Related term..... Kilns
Related term..... Waste heat utilization
Used for..... Dryers
Related term..... Fluidized bed processors
Related term..... Furnaces

Term: Drying shrinkage

Narrower term..... Warping
Broader term..... Shrinkage
Narrower term..... Shrinkage cracking
Related term..... Plastic shrinkage
Used for..... drying shrinkage cracking

Term: drying shrinkage cracking

Use..... Drying shrinkage
Used for..... early-age cracking

Term: DTA

Use..... Differential thermal analysis (DTA)

Term: Ductility

Related term..... Impact strength
Related term..... Fatigue
Related term..... Workability
Related term..... Stress relaxation
Related term..... Creep
Related term..... Bending
Broader term..... Mechanical properties
Related term..... Fracture properties
Related term..... Bend tests
Related term..... Shear properties
Related term..... Tension tests
Related term..... Plastic deformation
Related term..... Fracture mechanics
Related term..... Extensibility
Related term..... Fatigue tests
Related term..... Tensile properties
Used for..... Elasto-plastic behavior

Term: Ductility tests

Broader term..... Mechanical tests
Related term..... Impact tests
Related term..... Dynamic tests

Term: Ducts

Related term..... Flues
Related term..... Air circulation
Narrower term..... Embedded service ducts
Related term..... Heat distributing units
Related term..... Openings
Related term..... Pipes (tubes)
Related term..... Cavities
Related term..... Ports (openings)
Related term..... Air intakes
Related term..... Plenum chambers
Related term..... Exhaust systems
Related term..... Intake systems
Related term..... Cooling systems
Related term..... Ventilation
Related term..... Vents

Term: Dumpcrete agitator trucks

Broader term..... Trucks

Term: Durability

Narrower term..... Concrete durability

Related term..... Weathering

Used for..... extreme environments

Related term..... Damage

Related term..... Degradation

Related term..... Stability

Related term..... Wear

Related term..... Deterioration

Related term..... Service life

Related term..... Mechanical properties

Used for..... severe conditions

Term: Durability tests

Narrower term..... Corrosion resistance tests

Narrower term..... Alkali-silica reactivity test (ASTM C 227)

Narrower term..... Petrographic examination test (ASTM C 295)

Narrower term..... Abrasion resistance tests

Narrower term..... Frost resistance tests

Narrower term..... Sulfate resistance test (ASTM C 1012)

Term: Dust

Narrower term..... Cement dust

Narrower term..... Air pollution

Narrower term..... Cement kiln dust (CKD)

Used for..... raw material dust

Used for..... raw mix dust

Used for..... exit dust

Used for..... clinker dust

Used for..... gypsum dust

Narrower term..... Dust control

Narrower term..... Coal dust

Narrower term..... Flue dust

Related term..... Smoke

Used for..... dust particles

Term: Dust collectors

Broader term..... Air pollution control equipment

Broader term..... Exhaust systems

Narrower term..... Gravel bed filters

Narrower term..... Electrostatic precipitators

Narrower term..... Baghouses

Narrower term..... Pulse energized precipitators

Related term..... Cement kiln dust (CKD)

Related term..... Chimneys

Broader term..... Dust control

Broader term..... Separators

Broader term..... Cement plant equipment

Related term..... Pneumatic conveyors

Term: Dust control

Broader term..... Dust

Narrower term..... Dust collectors

Term: Dust explosions

Broader term..... Explosions

Narrower term..... Explosion venting

Used for..... combustible dusts

Term: dust particles

Use..... Dust

Term: Dusting

Broader term..... Surface defects

Related term..... Floors

Related term..... Coatings

Term: dwellings

Use..... Residential buildings

Term: Dyes

Related term..... Pigments
Related term..... Colors (materials)
Related term..... Phthalocyanines
Term: Dynamic characteristics
Narrower term..... Dynamic modulus of elasticity
Narrower term..... Stability
Narrower term..... Reliability
Narrower term..... Damping capacity
Narrower term..... Damping
Narrower term..... Hysteresis
Narrower term..... Dynamic response
Narrower term..... Resonant frequency

Term: Dynamic loads
Broader term..... Loads (forces)
Narrower term..... Axle loads
Narrower term..... Wind pressure
Narrower term..... Blast loads
Narrower term..... Cyclic loads
Related term..... Impact strength
Related term..... Lateral pressure
Related term..... Earthquakes
Narrower term..... Aerodynamic loads
Related term..... Live loads
Related term..... Structural walls

Term: Dynamic modulus of elasticity
Broader term..... Mechanical properties
Broader term..... Modulus of elasticity
Related term..... Nondestructive tests
Broader term..... Dynamic characteristics
Related term..... Sonic tests
Related term..... Damping capacity

Term: Dynamic response
Related term..... Damping
Broader term..... Responses
Broader term..... Dynamic characteristics
Related term..... Stability
Related term..... Resonant frequency

Term: dynamic structural analysis
Use..... Structural dynamics

Term: Dynamic tests
Broader term..... Physical tests
Broader term..... Tests
Narrower term..... Compressive strength tests
Narrower term..... Impact tests
Related term..... Mechanical tests
Related term..... Tolerances (Mechanics)
Related term..... Static tests
Related term..... Statistical analysis
Related term..... Tension tests
Related term..... Resonant frequency
Related term..... Torsion tests
Related term..... Calibrated hot box
Related term..... Quality control
Related term..... Shear tests
Related term..... Nondestructive tests
Related term..... Fatigue tests
Narrower term..... Wear tests
Related term..... Guarded hot box
Related term..... Loading rate
Related term..... Hardness tests
Related term..... Ductility tests
Related term..... Plasticity tests

Related term..... Hydrostatic tests

Related term..... Sonic tests

Term: E scope

Use..... Sonic tests

Term: early stiffening

Use..... False set

Term: Early stiffening test

Term: Early strength

Use..... Strength development

Term: early-age cracking

Use..... drying shrinkage cracking

Term: Earth dams

Broader term..... Dams

Related term..... Soil cement

Related term..... Gravity dams

Broader term..... Soils

Related term..... Embankments

Related term..... Dikes

Used for..... embankment dams

Term: Earth forms

Broader term..... Formwork

Term: Earth movements

Narrower term..... Earthquakes

Related term..... Seismic waves

Related term..... Seismology

Term: Earth pressure

Related term..... Stresses

Related term..... Lateral pressure

Related term..... Soil mechanics

Related term..... Tunneling (excavation)

Related term..... Static loads

Related term..... Pressure

Term: Earth sheltered structures

Broader term..... Structures

Related term..... Passive solar energy

Broader term..... Underground structures

Related term..... Solar energy

Term: earthquake damage

Use..... Earthquakes

Term: earthquake resistant construction

Use..... Earthquake resistant structures

Term: Earthquake resistant structures

Used for..... seismic design

Broader term..... Structures

Narrower term..... Seismic retrofit

Narrower term..... Base isolation

Related term..... Earthquakes

Related term..... Seismic analysis

Used for..... earthquake resistant construction

Term: Earthquakes

Related term..... Earthquake resistant structures

Related term..... Failure

Used for..... earthquake damage

Broader term..... Earth movements

Related term..... Dynamic loads

Related term..... Seismology

Related term..... Seismic waves

Related term..... Live loads

Related term..... Soil mechanics

Term: Eccentric loads

Broader term..... Loads (forces)

Related term..... Columns

Term: Eccentricity

Term: ECCO

Term: ECE

Use..... Electrochemical chloride extraction (ECE)

Term: Ecology

Related term..... Environments

Term: Econocrete

Broader term..... Concretes

Related term..... Pavements

Related term..... Lean concretes

Related term..... Shoulders

Related term..... Subbases

Related term..... Recycled concrete

Term: Economics

Related term..... Costs

Term: Edge beams

Broader term..... Beams

Term: Edging

Term: Edging tools

Term: Effective depth

Term: Efflorescence

Broader term..... Surface defects

Related term..... Leaching

Related term..... Drying

Related term..... Masonry

Related term..... Weathering

Related term..... Staining

Term: EIFS

Use..... Exterior insulation and finish systems (EIFS)

Term: Elastic analysis

Broader term..... Structural analysis

Related term..... Finite element method

Related term..... Statically indeterminate structures

Related term..... Structural dynamics

Related term..... Photoelasticity

Related term..... Equilibrium methods

Related term..... Flexibility methods

Related term..... Matrix methods

Related term..... Compatibility methods

Related term..... Stiffness methods

Related term..... Complementary energy methods

Related term..... Deformation methods

Related term..... Strain energy methods

Related term..... Energy methods

Related term..... Static structural analysis

Related term..... Unit load method

Related term..... Unit displacement method

Used for..... Theory of elasticity

Term: Elastic limit

Related term..... Tensile strength

Related term..... Steel reinforcement

Broader term..... Mechanical properties

Related term..... Shear properties

Term: elastic modulus

Use..... Modulus of elasticity

Term: Elastic properties

Narrower term..... Modulus of elasticity

Narrower term..... Viscoelasticity

Related term..... Compressive strength

Broader term..... Mechanical properties

Narrower term..... Shear modulus

Narrower term..... Photoelasticity

Used for..... inelasticity

Term: Elastomers

Broader term..... Plastics

Narrower term..... Chloroprene resins

Related term..... Latex

Related term..... Polymers

Narrower term..... Polyacrylates

Narrower term..... Polybutadiene

Narrower term..... Phenolic resins

Narrower term..... Polyolefines

Narrower term..... Styrene butadiene resins

Narrower term..... Synthetic elastomers

Narrower term..... Polyoxypropylene

Narrower term..... Polystyrene

Narrower term..... Polyisoprene

Related term..... Polyurethane resins

Related term..... Silicone resins

Related term..... Polyamide resins

Related term..... Polyether resins

Related term..... Vinyl resins

Related term..... Condensation polymerization

Term: Elasto-plastic behavior

Use..... Ductility

Term: Electric curing

Broader term..... Curing

Used for..... heat curing

Term: Electric power plants

Narrower term..... Cogeneration plants

Narrower term..... Nuclear power plants

Narrower term..... Hydroelectric power generation

Narrower term..... Fossil fuel plants

Term: Electrical conductivity

Broader term..... Conductivity

Term: Electrical properties

Broader term..... Properties

Broader term..... Tests

Narrower term..... Dielectric constant

Broader term..... Physical properties

Related term..... Thermal conductivity (k)

Term: Electrical resistance

Term: Electro-acoustic chloride extraction

Term: Electrochemical chloride extraction (ECE)

Used for..... Chloride removal

Used for..... ECE

Used for..... Electrochemical chloride removal (ECR)

Term: Electrochemical chloride removal (ECR)

Use..... Electrochemical chloride extraction (ECE)

Term: Electrolysis

Related term..... Corrosion

Related term..... Passivity

Term: electrolytic conductivity [new]

Term: Electron diffraction

Broader term..... Chemical analysis

Related term..... X ray diffraction spectrometry (XRD)

Term: electron microscopes

Use..... Electron microscopy

Term: Electron microscopy

Broader term..... Microscopy

Narrower term..... Scanning electron microscopy (SEM)

Used for..... electron microscopes

Term: Electron probes

Broader term..... Measuring instruments

Related term..... Chemical analysis

Term: Electronic instruments

Broader term..... Measuring instruments

Broader term..... Instruments

Narrower term..... Coulometers

Related term..... Transducers

Term: Electroosmosis

Term: Electrostatic precipitators

Broader term..... Dust collectors

Broader term..... Separators

Related term..... Pulse energized precipitators

Related term..... Magnetic separators

Used for..... Precipitators

Term: Element analysis

Term: Elevators (grain)

Use..... Grain elevators

Term: embankment dams

Use..... Earth dams

Term: Embankments

Related term..... Dams

Related term..... Earth dams

Related term..... Rocks

Related term..... Dikes

Related term..... Causeways

Related term..... Roads

Broader term..... Hydraulic structures

Broader term..... Soils

Narrower term..... Revetments

Related term..... Slope protection

Related term..... Cribbing

Related term..... Railroads

Term: Embedded service ducts

Broader term..... Ducts

Term: Embedment

Related term..... Cover

Related term..... Steel reinforcement

Term: Embodied energy

Broader term..... Sustainable construction

Use..... cumulative energy demand

Term: emission spectroscopy

Use..... Spectroscopy

Used for..... arc spectrography

Term: emission systems

Use..... Air pollution control equipment

Term: Emissivity

Broader term..... Surface properties

Broader term..... Thermodynamic properties

Related term..... Blackbody radiation

Related term..... Temperature

Broader term..... Thermophysical properties

Related term..... Thermal surface conductance (surface to air)

Related term..... Color temperature

Related term..... Emittance

Related term..... Radiant flux density

Related term..... Optical measurement

Term: Emittance

Related term..... Emissivity

Related term..... Blackbody radiation

Related term..... Radiant flux density

Term: Emulsifying admixtures

Broader term..... Admixtures

Narrower term..... Dispersants

Related term..... Surfactants

Related term..... Wetting agents

Term: Enclosures

Broader term..... Cold weather construction

Term: End blocks

Related term..... Prestressing

Related term..... Anchorage (structural)

Term: Endothermic reactions

Term: energy balance

Use..... Heat balance

Term: Energy conservation

Related term..... Energy consumption

Related term..... Thermal efficiency

Used for..... energy efficiency

Term: Energy consumption

Related term..... Energy conservation

Term: Energy dissipation

Related term..... Friction

Used for..... Energy losses

Term: energy efficiency

Use..... Energy conservation

Term: Energy losses

Use..... Energy dissipation

Term: Energy methods

Broader term..... Structural analysis

Narrower term..... Complementary energy methods

Related term..... Statically indeterminate structures

Related term..... Plastic analysis

Related term..... Yield line method

Related term..... Structural dynamics

Related term..... Compatibility methods

Related term..... Elastic analysis

Related term..... Stiffness methods

Related term..... Unit displacement method

Narrower term..... Strain energy methods

Related term..... Matrix methods

Related term..... Equilibrium methods

Related term..... Flexibility methods

Related term..... Static structural analysis

Related term..... Deformation methods

Related term..... Limit design method

Term: Energy transfer

Related term..... Heat transfer

Term: Energy utilization

Term: Energy-dispersive X ray spectroscopy (EDS)

Broader term..... X ray analysis

Used for..... microprobe analysis

Term: Engineering

Narrower term..... Mechanical engineering

Narrower term..... Sanitary engineering

Narrower term..... Structural engineering

Narrower term..... Metallurgical engineering

Narrower term..... Nuclear engineering

Narrower term..... Environmental engineering

Narrower term..... Civil engineering

Narrower term..... Safety engineering

Narrower term..... Marine engineering

Narrower term..... Chemical engineering

Narrower term..... Municipal engineering

Narrower term..... Coastal engineering

Narrower term..... Ocean engineering

Narrower term..... Mining engineering

Term: Engineering geology

Broader term..... Civil engineering

Broader term..... Geology

Term: enhanced porosity concrete

Use..... Pervious concrete

Term: Enthalpy

Related term..... Heat

Related term..... Thermal measurements

Used for..... heat content

Term: entrainment

Use..... Air entrainment

Term: Entropy

Related term..... Heat

Term: Environmental benefits of concrete

Broader term..... Environmental management

Term: Environmental controls

Broader term..... Cement plants

Narrower term..... Air pollution control equipment

Term: Environmental engineering

Broader term..... Engineering

Related term..... Environments

Related term..... Pollution

Term: Environmental impact

Term: environmental life cycle assessment

Use..... Life cycle assessment (LCA)

Term: Environmental management

Narrower term..... Climate change

Narrower term..... Environmental benefits of concrete

Term: Environmental management information systems

Term: Environments

Related term..... Adiabatic conditions

Related term..... Temperature

Related term..... Marine atmospheres

Related term..... Environmental engineering

Related term..... Pressure

Related term..... Humidity

Related term..... Ecology

Used for..... extreme environments

Term: Epidemiology

Term: Epoxy coatings

Broader term..... Coatings

Term: Epoxy injection

Broader term..... Repairs

Related term..... Sealing

Term: Epoxy resins

Related term..... Cements

Broader term..... Polyether resins

Broader term..... Plastics

Related term..... Masonry cements

Related term..... Resin cements

Related term..... Resins

Related term..... Adhesives

Term: Equilibrium methods

Broader term..... Structural analysis

Related term..... Elastic analysis

Related term..... Energy methods

Related term..... Finite element method

Related term..... Plastic analysis

Related term..... Statically indeterminate structures

Related term..... Yield line method

Related term..... Compatibility methods

Narrower term..... Unit load method

Narrower term..... Flexibility methods
Related term..... Static structural analysis
Related term..... Strain energy methods
Related term..... Stability methods
Related term..... Matrix methods
Related term..... Limit design method

Term: equipment updating

Use..... Cement plant equipment upgrades

Term: equipment upgrades

Use..... Cement plant equipment upgrades

Term: Erosion

Narrower term..... Beach erosion

Narrower term..... Soil erosion

Narrower term..... Wind erosion

Narrower term..... Water erosion

Related term..... Abrasion

Related term..... Wear

Related term..... Pitting

Related term..... Degradation

Related term..... Deterioration

Related term..... Weathering

Related term..... Rivers

Related term..... Cavitation

Used for..... Erosion resistance

Term: Erosion resistance

Use..... Erosion

Term: Esters

Broader term..... Organic compounds

Narrower term..... Citrates

Narrower term..... Oleates

Narrower term..... Acrylates

Narrower term..... Foremates

Narrower term..... Dibasic acid esters

Narrower term..... Carboxylic acid esters

Narrower term..... Amyl acetates

Narrower term..... acetoacetates

Narrower term..... Butyl acetates

Narrower term..... Benzoates

Narrower term..... Aliphatic acid esters

Narrower term..... acetates

Narrower term..... Aryl acid esters

Related term..... Organic acids

Related term..... Linolenates

Related term..... Vinyl acetate

Related term..... Sulfur organic acid esters

Related term..... Organic salts

Related term..... Linoleates

Related term..... Hydroxy acid esters

Related term..... Palmitates

Related term..... Propionates

Related term..... Malonates

Related term..... Polybasic acid esters

Related term..... Ethyl acetate

Related term..... Oleates organic sulfates

Related term..... Formates

Related term..... Methacrylates

Related term..... Naphthenates

Related term..... Sulfonates

Related term..... Stearates

Related term..... Gluconates

Related term..... Fluoroacetates

Used for..... polyesters

Term: Estimates

Related term..... Contracts

Term: Ethanol

Broader term..... Alcohols

Term: Ethers

Broader term..... Organic compounds

Narrower term..... Aryl ethers

Narrower term..... Ethyl ether

Narrower term..... Polyethers

Narrower term..... Phenyl ether

Narrower term..... Vinyl ether

Narrower term..... Methyl ethyl ether

Narrower term..... Methyl ether

Narrower term..... Vanillin

Term: Ethyl acetate

Related term..... Esters

Term: Ethyl ether

Broader term..... Ethers

Term: Ettringite

Used for..... woodfordite

Broader term..... Calcium sulfoaluminate hydrates

Broader term..... Hydration products

Broader term..... Sulfates

Narrower term..... Delayed ettringite formation (DEF)

Narrower term..... Alkali aggregate reactions (AAR)

Used for..... $C_3A \cdot 3CaSO_4 \cdot 31-32H_2O$

Term: Eurocode 2**Term: Evaluation**

Used for..... condition assessment

Term: Evaporation

Related term..... Separation

Related term..... Drying

Related term..... Dehydration

Term: Excavation

Broader term..... Foundations

Narrower term..... Tunneling (excavation)

Related term..... Soil mechanics

Broader term..... Construction

Narrower term..... Trenching

Related term..... Backfills

Related term..... Drainage

Term: Exhaust gases

Broader term..... Gases

Narrower term..... Flue gases

Related term..... Exhaust systems

Related term..... Air pollution

Related term..... Exhaust pipes

Term: Exhaust nozzles

Broader term..... Exhaust systems

Term: Exhaust pipes

Broader term..... Pipes (tubes)

Related term..... Exhaust systems

Related term..... Exhaust gases

Related term..... Vents

Term: exhaust stacks

Use..... Chimneys

Term: Exhaust systems

Related term..... Exhaust gases

Related term..... Ducts

Related term..... Air pollution

Related term..... Flues

Related term..... Waste disposal

Related term..... Chimneys
Narrower term..... Dust collectors
Narrower term..... Air cleaners
Narrower term..... Exhaust nozzles
Related term..... Exhaust pipes
Related term..... Plenum chambers
Related term..... Ports (openings)
Related term..... Ventilation
Related term..... Vents
Related term..... Cooling systems
Related term..... Blowers

Term: exit dust

Use..... Dust

Term: exit gases

Use..... Flue gases

Term: Exothermic reaction

Term: Expanded clay aggregates

Broader term..... Lightweight aggregates
Related term..... Clays
Related term..... Lightweight aggregate concretes
Related term..... Shales

Term: Expanded polystyrene foams

Term: Expanded shale aggregates

Broader term..... Lightweight aggregates
Narrower term..... haydite
Related term..... Lightweight aggregate concretes
Related term..... Shales

Term: Expanded slag aggregates

Broader term..... Slags
Broader term..... Lightweight aggregates
Related term..... Lightweight aggregate concretes

Term: Expanded slate aggregates

Broader term..... Lightweight aggregates
Related term..... Slates
Related term..... Lightweight aggregate concretes

Term: Expanding admixtures

Related term..... Expansive cements
Related term..... Aluminum powder
Related term..... Foaming agents
Related term..... Admixtures

Term: Expansion

Narrower term..... Thermal expansion
Related term..... Volume change
Related term..... Expansive soils
Related term..... Contraction

Term: Expansion bolts

Broader term..... Anchor bolts
Broader term..... Fasteners
Broader term..... Bolts

Term: Expansion joints

Related term..... Construction joints
Related term..... Isolation joints
Used for..... control joints
Broader term..... Joints
Related term..... Bridges
Used for..... Relief joints

Term: Expansive cement concretes

Broader term..... Concretes
Narrower term..... Self stressing concretes
Narrower term..... Shrinkage compensating concretes
Related term..... Expansive cements

Term: Expansive cements

Broader term..... Portland cements
Narrower term..... Shrinkage compensating cements
Related term..... Expansive cement concretes
Related term..... Prestressed concrete
Narrower term..... Self stressing cements
Narrower term..... Type S expansive cement
Narrower term..... Type M expansive cement
Narrower term..... Type K expansive cement
Related term..... Expanding admixtures
Related term..... Calcium aluminates
Related term..... Aluminate cements
Related term..... Calcium sulfoaluminates

Term: Expansive clays

Broader term..... Expansive soils

Term: Expansive soils

Narrower term..... Expansive clays
Related term..... Expansion
Broader term..... Soils

Term: Explosion venting

Broader term..... Dust explosions

Term: Explosions

Related term..... Demolition
Narrower term..... Dust explosions
Related term..... Safety engineering
Related term..... Spontaneous combustion
Related term..... Safety
Related term..... Fires
Related term..... Blast loads
Related term..... Flame propagation
Related term..... Explosives

Term: Explosives

Related term..... Explosions

Term: Exposed aggregate concrete

Broader term..... Concretes
Broader term..... Finishes
Related term..... Decorative aggregates
Narrower term..... Sand embedment method
Used for..... Aggregate transfer method

Term: Exposed columns

Broader term..... Concrete construction
Broader term..... Columns

Term: Exposure

Related term..... Weathering

Term: Expressways

Broader term..... Pavements
Related term..... Median barriers
Related term..... Concrete pavements
Broader term..... Highways
Broader term..... Roads
Used for..... Interstate highway system
Used for..... freeways
Used for..... Limited access highways
Used for..... Toll roads

Term: Extensibility

Related term..... Creep
Related term..... Deformation (Elastic and inelastic)
Related term..... Strains
Related term..... Workability
Related term..... Plasticity
Related term..... Deflection
Related term..... Ductility
Related term..... Flexibility

Term: Extensometers

Related term..... Thermal expansion
Related term..... Mechanical tests
Broader term..... Strain measuring instruments
Broader term..... Measuring instruments
Related term..... Tensiometers
Related term..... Dilatometers
Related term..... Strain gages

Term: exterior cladding

Use..... Facings

Term: Exterior insulation and finish systems (EIFS)

Broader term..... Stucco
Broader term..... Insulation
Used for..... EIFS

Term: Externally bonded reinforcement

Term: extreme environments

Use..... Environments

Use..... Durability

Term: Extruded concrete

Broader term..... Concretes

Term: Extrusions

Term: Extrusive rocks

Broader term..... Igneous rocks

Term: fabric filters

Use..... Baghouse filters

Term: facades

Use..... Facings

Term: Facings

Related term..... Concrete products
Related term..... Coatings
Related term..... Architectural concrete
Related term..... Construction materials
Related term..... Masonry
Broader term..... Building components
Used for..... exterior cladding
Used for..... veneers
Used for..... facades

Term: Factories

Use..... Industrial buildings

Term: Failure

Related term..... Wear
Related term..... Corrosion
Related term..... Cracking
Related term..... Formwork
Related term..... Deterioration
Related term..... Progressive collapse
Related term..... Fractures (materials)
Related term..... Degradation
Related term..... Torsion
Related term..... Collapse
Related term..... Earthquakes
Related term..... Deformation (Elastic and inelastic)
Related term..... Buckling
Used for..... structural failure

Term: Failure mechanisms

Related term..... Strength
Related term..... Microcracking

Term: Falling weight deflectometers

Broader term..... Deflectometers

Term: Fallout shelters

Broader term..... Shelters

Term: False set

Broader term..... Abnormal set
Broader term..... Portland cement physical properties
Use..... Flash set
Used for..... early stiffening

Term: Falsework

Related term..... Formwork
Related term..... Shoring

Term: Fans

Broader term..... Cement plant equipment

Term: Farm buildings

Narrower term..... Silos
Related term..... Slotted floors
Broader term..... Buildings
Narrower term..... Hog houses
Narrower term..... Barns
Narrower term..... Dairy buildings
Related term..... Farms

Term: Farms

Related term..... Farm buildings

Term: Fasteners

Narrower term..... Anchors (fasteners)
Narrower term..... Bolts
Narrower term..... Dowels
Narrower term..... Anchor bolts
Related term..... Studs
Related term..... Connections
Related term..... Joints
Related term..... Connectors
Related term..... Brackets
Narrower term..... Nails (fasteners)
Narrower term..... Structural bolts
Narrower term..... Expansion bolts
Narrower term..... Powder actuated fasteners
Narrower term..... High strength bolts
Narrower term..... Locks (fasteners)
Related term..... Lugs
Related term..... Couplings
Related term..... Inserts
Used for..... fastenings
Used for..... Bands

Term: fastenings

Use..... Fasteners

Term: Fast-track concrete paving

Broader term..... Paving

Term: Fast-track construction

Term: Fatigue

Related term..... Strength
Broader term..... Mechanical properties
Related term..... Bauschinger effect
Related term..... Concrete durability
Related term..... Fracture properties
Related term..... Crack propagation
Related term..... Cracking
Related term..... Ductility
Related term..... Fatigue tests
Related term..... Damage
Related term..... Tensile properties
Related term..... Creep
Used for..... fatigue strength

Term: Fatigue loads

Use..... Cyclic loads
Broader term..... Loads (forces)

Term: fatigue strength

Use..... Fatigue tests

Use..... Fatigue

Term: Fatigue tests

Broader term..... Mechanical tests

Broader term..... Tests

Related term..... Flexural strength

Related term..... Cyclic loads

Related term..... Tension tests

Related term..... Creep tests

Related term..... Impact tests

Related term..... Fatigue

Related term..... Ductility

Related term..... Bend tests

Related term..... Dynamic tests

Used for..... fatigue strength

Term: fatty acids

Broader term..... Acids

Broader term..... carboxylic acids

Broader term..... Organic acids

Broader term..... Organic compounds

Term: Feeders

Related term..... Conveyors

Term: Feldspar

Term: Feldspars

Broader term..... Silicates

Term: Fences

Broader term..... Concrete products

Term: Fenestration

Narrower term..... Windows

Related term..... Openings

Term: Ferrite

Broader term..... Tetracalcium aluminoferrite (C4AF)

Term: Ferrites

Narrower term..... Calcium ferrites

Narrower term..... C2F

Related term..... Iron inorganic compounds

Term: Ferrocement

Broader term..... Concretes

Related term..... Reinforced concrete

Term: Ferrous sulfate

Term: Fiber reinforced concretes

Narrower term..... Glass fiber reinforced polymer reinforcement (GFRP)

Related term..... Polypropylene fibers

Broader term..... Reinforced concrete

Narrower term..... Textile reinforced concrete

Related term..... Bagasse

Used for..... fiber reinforcement

Term: Fiber reinforced plastic (FRP)

Broader term..... Reinforcing materials

Term: fiber reinforcement

Use..... Fiber reinforced concretes

Term: Fiberglass forms

Used for..... Removable forms

Term: Fibers

Narrower term..... Mineral wool

Narrower term..... Nylon fibers

Narrower term..... Glass fibers

Narrower term..... Polypropylene fibers

Narrower term..... Synthetic fibers

Narrower term..... Carbon fibers

Narrower term..... Rock wool

Narrower term..... Metal fibers
Broader term..... Reinforcing materials
Narrower term..... Natural fibers
Narrower term..... Ceramic fibers
Narrower term..... Aramid fibers

Term: Field corrosion tests

Broader term..... Corrosion tests

Term: Field tests

Related term..... Load tests (structural)
Related term..... Pavements
Related term..... Weathering
Broader term..... Tests
Related term..... Test roads
Related term..... Bearing capacity
Related term..... Soil mechanics
Related term..... Benkelman beam
Related term..... Surface roughness
Related term..... Plate load tests
Related term..... Soil tests
Used for..... long time study
Used for..... On site tests
Used for..... Long term testing

Term: Filter presses

Broader term..... Separators

Term: Filters

Narrower term..... Baghouse filters
Narrower term..... Gravel bed filters

Term: Final set

Broader term..... Setting (hardening)

Term: Fine aggregates

Broader term..... Aggregates
Related term..... Fines
Related term..... Granular materials
Related term..... Ultrafines
Related term..... Sands
Used for..... sand replacement

Term: Fineness

Related term..... Particle size distribution
Broader term..... Portland cement physical properties
Related term..... Specific surface
Related term..... Texture

Term: Fineness modulus

Use..... Particle size distribution

Term: Fines

Related term..... Fine aggregates
Related term..... Sands
Related term..... Aggregates
Related term..... Aggregate gradation
Narrower term..... Ultrafines
Related term..... Sieve analysis
Related term..... Clays

Term: Finish grinding

Broader term..... Grinding (Comminution)
Related term..... Secondary crushers
Used for..... clinker mills

Term: Finish mills

Related term..... Secondary crushers
Used for..... clinker mills

Term: Finishes

Related term..... Overlays
Related term..... Abrasive blasting
Narrower term..... Tined finish

Narrower term..... Broom finish
Narrower term..... Carpet drag finish
Narrower term..... Exposed aggregate concrete
Narrower term..... Swirl finish
Narrower term..... Grooving
Narrower term..... Rubbed finish
Narrower term..... Float finish
Narrower term..... Chemical finishes
Narrower term..... Trowel finish
Narrower term..... Bushhammering
Related term..... Grinding (material removal)
Related term..... Wire brushing
Related term..... Surface hardeners
Related term..... Finishing
Related term..... Architectural concrete
Related term..... Decorative concrete
Related term..... Acid treatment (concrete)
Used for..... grout cleandown

Term: Finishing

Narrower term..... Troweling
Narrower term..... Stamped concrete
Related term..... Finishes
Used for..... floating
Used for..... brooming
Used for..... flatwork
Used for..... screeding

Term: Finite difference theory

Broader term..... Numerical analysis

Term: Finite element method

Broader term..... Structural analysis
Related term..... Static structural analysis
Related term..... Elastic analysis
Related term..... Structural dynamics
Related term..... Equilibrium methods
Related term..... Statically indeterminate structures
Related term..... Matrix methods
Related term..... Compatibility methods
Related term..... Plastic analysis
Related term..... Limit design method

Term: Fire alarm systems

Broader term..... Warning systems
Related term..... Fires
Related term..... Fire protection
Related term..... Sprinkler systems
Related term..... Fire detection systems

Term: Fire damage

Broader term..... Damage

Term: Fire departments

Related term..... Fire protection

Term: Fire detection systems

Related term..... Fire protection
Related term..... Fire alarm systems
Related term..... Sprinkler systems

Term: Fire doors

Related term..... Fire protection
Related term..... Fire walls

Term: Fire endurance

Use..... Fire resistance

Term: Fire extinguishers

Related term..... Fire protection

Term: Fire hazards

Related term..... Safety

Related term..... Fire protection

Broader term..... Hazards

Term: Fire prevention

Broader term..... Safety

Related term..... Warning systems

Related term..... Fires

Related term..... Fire protection

Term: Fire protection

Related term..... Fire walls

Related term..... Building codes

Broader term..... Safety

Related term..... Fire doors

Related term..... Fire alarm systems

Related term..... Safety engineering

Related term..... Fire tests

Related term..... Warning systems

Related term..... Fire hazards

Related term..... Sprinkler systems

Related term..... Fires

Related term..... Fire departments

Related term..... Fire detection systems

Related term..... Fire resistance

Related term..... Fire extinguishers

Related term..... Fire prevention

Related term..... Fire resistant materials

Term: Fire ratings

Related term..... Fire tests

Term: Fire resistance

Related term..... Thermal resistance (R)

Related term..... Fire protection

Related term..... Fire resistant materials

Related term..... Fires

Related term..... Fire tests

Used for..... Fire resistance rating

Used for..... Fireproofing

Used for..... Fire endurance

Term: Fire resistance rating

Use..... Fire resistance

Term: Fire resistant coatings

Broader term..... Protective coatings

Broader term..... Coatings

Broader term..... Fire resistant materials

Related term..... Heat resistant coatings

Related term..... Flammability testing

Used for..... Flame retardants

Used for..... Fire retardants

Term: Fire resistant materials

Narrower term..... Fire resistant coatings

Related term..... Concretes

Related term..... Insulation

Related term..... Fire resistance

Related term..... Masonry

Related term..... Fire protection

Term: Fire retardants

Use..... Fire resistant coatings

Term: fire testing

Use..... Fire tests

Term: Fire tests

Broader term..... Tests

Related term..... Fire protection

Related term..... Fire resistance

Related term..... Heat transfer

Related term..... Fire ratings
Related term..... High temperature tests
Related term..... Restraints
Used for..... fire testing

Term: Fire walls

Broader term..... Building components
Broader term..... Walls
Related term..... Fire protection
Related term..... Fire doors

Term: Firebrick

Broader term..... Structural clay products
Broader term..... Refractories
Broader term..... Bricks

Term: Fireclays

Broader term..... Silicates
Broader term..... Clay minerals
Related term..... Refractories

Term: Fireplaces

Broader term..... Architectural concrete

Term: Fireproofing

Use..... Fire resistance

Term: Fires

Related term..... Explosions
Related term..... Fire resistance
Related term..... Smoke
Related term..... Safety
Related term..... Fire protection
Related term..... Combustion
Related term..... Fire alarm systems
Related term..... Hazards
Related term..... Flames
Related term..... Fire prevention

Term: Fishways

Related term..... Dams

Term: Fission reactors

Use..... Nuclear reactors

Term: fixation

Use..... Solidification/stabilization

Term: flame emission spectroscopy

Use..... Flame photometry

Term: Flame photometry

Broader term..... Chemical analysis
Broader term..... spectrometry
Related term..... Quantitative analysis
Used for..... atomic emission spectrometry
Broader term..... Optical measurement
Broader term..... Photometry
Related term..... Colorimetry
Related term..... Spectrophotometry
Related term..... Qualitative analysis
Used for..... flame emission spectroscopy
Used for..... flame spectrophotometry

Term: Flame propagation

Related term..... Explosions
Narrower term..... Deflagration
Narrower term..... Detonation

Term: Flame retardants

Use..... Fire resistant coatings

Term: flame spectrophotometry

Use..... Flame photometry

Term: Flames

Related term..... Fires

Term: Flammability testing

Related term..... Fire resistant coatings

Term: Flanges

Broader term..... Beams

Related term..... Connectors

Related term..... T beams

Term: flash furnaces

Use..... Precalciners

Term: Flash set

Broader term..... Abnormal set

Used for..... False set

Used for..... quick set

Term: Flat plates

Broader term..... Flat slabs

Broader term..... Plates (structural members)

Used for..... plates

Term: Flat slabs

Broader term..... Slabs

Narrower term..... Flat plates

Term: flatwork

Use..... Finishing

Use..... Slabs

Term: Flexibility

Related term..... Flexural strength

Related term..... Extensibility

Term: Flexibility methods

Broader term..... Equilibrium methods

Broader term..... Structural analysis

Broader term..... Matrix methods

Related term..... Elastic analysis

Related term..... Static structural analysis

Related term..... Statically indeterminate structures

Related term..... Energy methods

Narrower term..... Unit load method

Term: Flexural resonant frequencies

Use..... Sonic tests

Term: Flexural strength

Broader term..... Strength

Related term..... Flexural strength tests

Broader term..... Mechanical properties

Related term..... Strength design

Related term..... Fatigue tests

Related term..... Stiffness

Related term..... Rigidity

Related term..... Flexibility

Related term..... Bending

Related term..... Deflection

Used for..... flexure

Used for..... Modulus of rupture in bending

Term: Flexural strength tests

Broader term..... Strength tests

Broader term..... Mechanical tests

Related term..... Modulus of elasticity

Related term..... Flexural strength

Term: flexure

Use..... Flexural strength

Use..... Moments

Term: Float finish

Broader term..... Finishes

Term: floating

Use..... Finishing

Term: Floating bridges

Broader term..... Bridges

Related term..... Pontoon bridges

Term: Floating docks

Broader term..... Harbor structures

Broader term..... Docks

Related term..... Marinas

Term: Floating foundations

Broader term..... Foundations

Term: Flocculating

Related term..... Agglomeration

Related term..... Bleeding (Fresh concrete)

Related term..... Separation

Related term..... Sedimentation

Term: Flocculation

Term: Flood control

Related term..... Dams

Related term..... Runoff

Related term..... Reservoirs

Related term..... Hydraulic structures

Related term..... Hydraulics

Related term..... Hydrology

Related term..... Hydroelectric power generation

Term: Flood damage

Broader term..... Damage

Term: floor coverings

Term: floor hardeners

Use..... Surface hardeners

Term: Floor toppings

Broader term..... Floors

Term: flooring

Term: Floors

Broader term..... Building components

Broader term..... Architectural concrete

Narrower term..... Slotted floors

Narrower term..... Heavy duty floors

Narrower term..... Floor toppings

Related term..... Metal deck forms

Related term..... Concrete panels

Related term..... Integrated mechanical structural systems

Related term..... Dusting

Related term..... Skid resistance

Term: Flow charting

Related term..... Print layout

Term: Flow table tests

Broader term..... Consistency tests

Related term..... Mortars

Related term..... Normal consistency tests

Term: Flow trough tests

Broader term..... Consistency tests

Term: flowable concrete

Use..... Self-consolidating concrete (SCC)

Term: flowable fill

Use..... Controlled low strength materials (CLSM)

Term: flowing concrete

Use..... Self-consolidating concrete (SCC)

Term: Flue dust

Broader term..... Dust

Related term..... Flues

Related term..... Air pollution

Term: Flue gases

Broader term..... Exhaust gases

Narrower term..... Sulfur oxides

Narrower term..... Nitrogen oxides (NOx)
Related term..... Air pollution
Narrower term..... Plumes
Narrower term..... Continuous emissions monitoring system (CEMS)
Related term..... Flues
Used for..... stack gases
Used for..... stack emissions
Used for..... exit gases
Term: flue linings
Use..... Flues
Term: Flues
Related term..... Flue gases
Related term..... Chimneys
Related term..... Ducts
Related term..... Draft (gases)
Related term..... Flue dust
Related term..... Vents
Related term..... Exhaust systems
Used for..... flue linings
Term: Fluid flow
Related term..... Heat transfer
Term: Fluidized bed processors
Related term..... Drying apparatus
Broader term..... Preheaters
Term: Fluidizing
Broader term..... Pneumatic conveying
Related term..... Desulfurization
Broader term..... Pneumatic conveyors
Term: Fluorescence
Narrower term..... X ray fluorescence (XRF)
Related term..... Mossbauer effect
Term: Fluorides
Related term..... Preheaters
Related term..... Kilns
Term: Fluoroacetates
Related term..... Esters
Term: Flux density
Related term..... Heat flux
Term: fluxes
Use..... Cement additives (raw materials)
Term: Fly ash
Broader term..... Admixtures
Related term..... Lightweight aggregates
Related term..... Pozzolan cements
Broader term..... Pozzolans
Broader term..... Supplementary cementing materials (SCM)
Broader term..... Coal combustion products (CCP)
Narrower term..... Bottom ash
Related term..... Lime fly ash
Used for..... pulverized fuel ash (PFA)
Used for..... coal ash
Term: Fly ash cements
Use..... Pozzolan cements
Term: Fly ash concretes
Broader term..... Concretes
Used for..... high-volume fly ash concrete (HVFA)
Term: Foamed concretes
Use..... Cellular concretes
Term: Foaming agents
Related term..... Cellular concretes
Related term..... Waterproofing admixtures
Related term..... Plasticizers

Related term..... Surfactants
Related term..... Superplasticizers
Broader term..... Agents
Related term..... Insulating concretes
Related term..... Expanding admixtures
Related term..... Bubbles
Related term..... Air entraining admixtures
Related term..... Grout
Related term..... Aluminum powder
Used for..... Gas forming agents

Term: Folded plates

Broader term..... Structural forms
Related term..... Shells (structural forms)
Related term..... Plates (structural members)
Related term..... Roofs
Related term..... Northlight shells

Term: Foot bridges

Broader term..... Bridges
Related term..... Rigid frame bridges
Related term..... Suspension bridges
Related term..... Pontoon bridges

Term: Footings

Related term..... Walls
Broader term..... Building components
Broader term..... Foundations
Related term..... Underpinning
Related term..... Columns
Related term..... Concrete piles
Related term..... Slabs
Related term..... Substructures

Term: Forecasting

Related term..... Confidence limits
Related term..... Control charts

Term: Foremates

Broader term..... Esters

Term: Form liners

Related term..... Vacuum forming

Term: Form oils

Use..... Parting agents

Term: form pressure

Use..... Formwork

Use..... Pressure

Term: Form removal

Broader term..... Formwork
Related term..... Molding techniques
Used for..... decentering

Term: Formates

Related term..... Esters

Term: Forming techniques

Related term..... Vibratory compacting
Narrower term..... Vacuum forming

Term: formless paving

Use..... Slipform construction

Term: Formulas (mathematics)

Term: Formwork

Narrower term..... Form removal
Related term..... Concrete construction
Narrower term..... Metal deck forms
Narrower term..... Removable forms
Narrower term..... Permanent forms
Narrower term..... Plastic forms
Narrower term..... Slipform construction

Narrower term..... Removable concrete forms (RCF)

Narrower term..... Climbing forms

Narrower term..... Earth forms

Related term..... Falsework

Related term..... Framing

Related term..... Lumber

Related term..... Failure

Related term..... Shoring

Related term..... Molding techniques

Used for..... Shuttering

Used for..... form pressure

Term: Foshagite

Broader term..... Silicates

Term: Fossil fuel plants

Broader term..... Electric power plants

Term: Fossil fuels

Broader term..... Fuels

Narrower term..... Petroleum coke

Narrower term..... Crude oil

Narrower term..... Shale oil

Narrower term..... Lignite

Narrower term..... Coal

Narrower term..... Natural gas

Related term..... Liquefied gases

Related term..... Liquefied gases

Term: Fouling (marine)

Related term..... Corrosion

Term: Foundations

Broader term..... Structures

Narrower term..... Footings

Narrower term..... Deep foundations

See also... Shoring

See also... Jacking

See also... Underground structures

Broader term..... Substructures

Narrower term..... Bridge foundations

Narrower term..... Mat foundations

Narrower term..... Machine bases

Narrower term..... Excavation

Narrower term..... Floating foundations

Narrower term..... Rock foundations

Related term..... Grade beams

Related term..... Underpinning

Related term..... Grouting

Related term..... Soil mechanics

Related term..... Anchorage (structural)

See also... Supports

Used for..... bases (foundations)

Term: Fracture mechanics

Related term..... Cracking

Related term..... Crazeing

Related term..... Ductility

Related term..... Crack propagation

Term: Fracture properties

Broader term..... Mechanical properties

Related term..... Ductility

Related term..... Torsion

Related term..... Shear properties

Related term..... Tensile properties

Related term..... Fatigue

Related term..... Compressive strength

Related term..... Tensile strength

Related term..... Shear modulus

Term: Fracture tests

Broader term..... Mechanical tests

Broader term..... Tests

Broader term..... Tension tests

Related term..... Stress corrosion tests

Related term..... Notch tests

Term: Fractures (materials)

Related term..... Fracturing

Related term..... Failure

Related term..... Crazeing

Related term..... Deformation (Elastic and inelastic)

Related term..... Damage

Term: Fracturing

Related term..... Fractures (materials)

Related term..... Cracking

Related term..... Separation

Term: frame analysis

Use..... Structural analysis

Term: Frames

Broader term..... Structural forms

Narrower term..... Gabled frames

Narrower term..... Rigid frames

Related term..... Bents

Related term..... Framing

Related term..... Beam column frame

Related term..... Framing systems

Term: Framing

Related term..... Frames

Related term..... Formwork

Term: Framing systems

Related term..... Frames

Term: free lime

Use..... Calcium oxides (CaO)

Term: freeways

Use..... Expressways

Term: Freeze thaw durability

Narrower term..... Freeze-thaw resistance test (ASTM C 666)

See also... Scaling

Broader term..... Tests

Broader term..... Concrete durability

Narrower term..... Salt distress

Related term..... Deicers

Related term..... Sonic tests

Related term..... Ice prevention

Used for..... Frost

Used for..... freeze thaw resistance

Used for..... Frost resistant concretes

Used for..... Frost resistant cements

Used for..... Frost resistance

Term: freeze thaw resistance

Use..... Freeze thaw durability

Term: Freeze-thaw brush loss

Related term..... Soil cement

Term: Freeze-thaw resistance test (ASTM C 666)

Broader term..... Frost resistance tests

Broader term..... Freeze thaw durability

Term: Freezing

Related term..... Low temperature

Related term..... Ice prevention

Used for..... Frost

Term: Frequency meters

Term: Frequency response

Broader term..... Responses

Term: Fresh concretes

Related term..... Bleeding (Fresh concrete)

Related term..... Workability

Broader term..... Concretes

Related term..... Cement content tests

Related term..... Consistency tests

Related term..... Rheological properties

Used for..... Freshly mixed concretes

Used for..... plastic concretes

Term: Freshly mixed concretes

Use..... Fresh concretes

Term: Friction

Broader term..... Mechanical properties

Related term..... Energy dissipation

Related term..... Abrasion

Related term..... Surface roughness

Related term..... Surface properties

Related term..... Skid resistance

Related term..... Wear

Used for..... Coefficient of friction

Term: Friction piles

Broader term..... Piles

Term: Friction tests

Related term..... Wear tests

Term: Frost

Use..... Freeze thaw durability

Use..... Freezing

Term: Frost heave

Broader term..... Soil structure interaction

Term: Frost resistance

Use..... Freeze thaw durability

Term: Frost resistance tests

Broader term..... Tests (Hardened concrete)

Broader term..... Durability tests

Narrower term..... Freeze-thaw resistance test (ASTM C 666)

Term: Frost resistant cements

Use..... Freeze thaw durability

Term: Frost resistant concretes

Use..... Freeze thaw durability

Term: Fuels

Related term..... Sludge

Broader term..... Hydrogen

Narrower term..... Waste-derived fuels (WDF)

Narrower term..... Aviation fuels

Narrower term..... Automotive fuels

Narrower term..... Fossil fuels

Narrower term..... Jet engine fuels

Narrower term..... Inerting systems

Narrower term..... Diesel fuels

Narrower term..... Motor fuels

Related term..... Combustion

Used for..... alternative fuels

Term: Full depth reclamation (FDR)

Broader term..... Recycled concrete

Term: Fullers earth

Broader term..... Clay minerals

Broader term..... Silicates

Term: Fumes

Related term..... Air pollution

Term: Fungicides

Broader term..... Admixtures

Term: Furan resins

Broader term..... Plastics

Related term..... Phenolic resins

Term: Furans

Broader term..... Air pollution

Term: Furnaces

Related term..... Drying apparatus

Term: Furring

Related term..... Walls

Term: Fusion (melting)

Related term..... Portland cement kiln reactions

Term: Gabbro

Broader term..... Igneous rocks

Term: Gabled frames

Broader term..... Frames

Broader term..... Rigid frames

Term: Galvanic corrosion

Broader term..... Corrosion

Related term..... Cast stone

Related term..... Degradation

Related term..... Cathodic protection

Related term..... Stress corrosion resistance

Related term..... Oxidation

Related term..... Rusting

Term: Galvanic corrosion tests

Broader term..... Corrosion tests

Related term..... Stress corrosion tests

Term: Galvanizing

Related term..... Corrosion

Term: Galvanometers

Term: Gap graded aggregate

Related term..... Aggregate gradation

Related term..... Pervious concrete

Term: Garden accessories

Broader term..... Concrete products

Used for..... Ornaments

Used for..... garden ornaments

Term: garden ornaments

Use..... Garden accessories

Term: Gas analysis

Broader term..... Chemical tests

Broader term..... Chemical analysis

Related term..... Gas chromatography

Term: gas analyzers

Term: Gas chromatography

Broader term..... Chromatography

Related term..... Gas analysis

Term: Gas forming agents

Use..... Foaming agents

Term: gas permeability

Use..... Permeability

Term: Gas stations

Term: Gaseous emissions

Term: Gases

Narrower term..... Exhaust gases

Term: Gehlenite

Broader term..... Calcium aluminosilicates

Broader term..... Silicates

Term: Gels

Related term..... Cement pastes

Narrower term..... Silica gel

Narrower term..... Tobermorite gel

Used for..... hydrogels

Term: Geology

Narrower term..... Petrography

Narrower term..... Engineering geology

Term: Gibbsite

Related term..... Hydroxides

Term: Girder bridges

Broader term..... Bridges

Narrower term..... Box girder bridges

Narrower term..... Multi-girder bridges

Related term..... Cantilever bridges

Related term..... Rigid frame bridges

Term: Girders

Broader term..... Box beams

Broader term..... Beams

Narrower term..... Ring girders

Narrower term..... Plate girders

Narrower term..... Joists

Narrower term..... Trusses

Narrower term..... Web openings

Narrower term..... Bulb T-girders

Term: Glass aggregates

Broader term..... Aggregates

Broader term..... Synthetic aggregates

Term: Glass blocks

Broader term..... Blocks

Term: Glass content

Related term..... Portland cement clinker cooling

Term: Glass fiber reinforced concrete (GFRC)

Broader term..... Reinforcing materials

Term: Glass fiber reinforced polymer reinforcement (GFRP)

Broader term..... Fiber reinforced concretes

Term: Glass fibers

Broader term..... Fibers

Broader term..... Synthetic fibers

Term: Glauconite

Broader term..... Silicates

Broader term..... Clay minerals

Term: global warming

Use..... Climate change

Term: Gluconates

Related term..... Esters

Term: Glycols

Broader term..... Alcohols

Term: gradation

Use..... Aggregate gradation

Term: Grade beams

Broader term..... Beams

Related term..... Foundations

Term: Grade crossings

Use..... Intersections

Term: Grain elevators

Related term..... Silos

Broader term..... Storage structures

Related term..... Bins

Used for..... Elevators (grain)

Term: Grandstands

Use..... Stadiums

Term: Granite

Broader term..... Igneous rocks

Broader term..... Natural aggregates

Term: Granular materials

Related term..... Fine aggregates

Related term..... Blast furnace slag

Term: Granulation

Related term..... Grinding (Comminution)

Related term..... Agglomeration

Term: granulometry

Use..... Particle size distribution

Term: Grate coolers

Broader term..... Coolers

Broader term..... Clinker coolers

Used for..... air-quenching coolers

Term: Grate preheaters

Broader term..... Preheaters

Term: Gravel

Broader term..... Aggregates

Related term..... Sand gravel concrete

Related term..... Sands

Term: Gravel bed filters

Broader term..... Filters

Broader term..... Dust collectors

Term: Gravimeters

Broader term..... Measuring instruments

Term: Gravimetric analysis

Broader term..... Chemical analysis

Broader term..... Chemical tests

Term: Gravimetric method test (ASTM C 138)

Broader term..... Air content tests (Fresh concrete)

Term: Gravitation coolers

Broader term..... Coolers

Broader term..... Clinker coolers

Term: Gravity dams

Broader term..... Concrete dams

Broader term..... Dams

Related term..... Buttress dams

Related term..... cofferdams

Related term..... Earth dams

Term: Gravity platforms

Broader term..... Offshore structures

Broader term..... Platforms

Related term..... Semisubmersible platforms

Term: green architecture

Use..... Green buildings

Term: Green buildings

Broader term..... Sustainable construction

Used for..... green architecture

Term: Greenhouse gases (GHG)

Related term..... Carbon dioxide capture and storage (CCS)

Term: Grille block

Use..... Screen blocks

Term: Grindability

Broader term..... Grinding (Comminution)

Narrower term..... Hardgrove Grindability Index (HGI)

Term: Grinding (Comminution)

Narrower term..... Finish grinding

Broader term..... Cement manufacturing

Broader term..... Comminution

Broader term..... Cement plant equipment

Narrower term..... Grindability

Narrower term..... Closed-circuit grinding

Narrower term..... Grinding mills

Related term..... Granulation

Related term..... Portland cement clinker

Used for..... pulverizing

Used for..... pc clinker

Used for..... rod milling

Used for..... ball milling

Used for..... pebble milling

Term: Grinding (material removal)

Related term..... Finishes

Related term..... Wear

Related term..... Abrasion

Term: Grinding aids

Broader term..... Cement additives (clinker)

Term: Grinding mills

Broader term..... Grinding (Comminution)

Narrower term..... Roller mills

Narrower term..... Tube mills

Narrower term..... Rod mills

Narrower term..... Ball mills

Broader term..... Cement plants

Narrower term..... Jet mills

Narrower term..... Hammer mills

Narrower term..... Autogenous mills

Narrower term..... Pebble mills

Related term..... Crushers

Term: Grooving

Broader term..... Finishes

Narrower term..... Diamond grinding

Term: ground granulated blast-furnace slag (GGBFS)

Use..... Blast furnace slag

Term: Ground water

Broader term..... Water

Related term..... Hydrology

Narrower term..... Water table

Related term..... Water pollution

Used for..... groundwater

Term: Ground-penetrating radar (GPR)

Broader term..... Nondestructive tests

Term: groundwater

Use..... Ground water

Term: Grout

Related term..... Cements

Related term..... Clays

Related term..... Foaming agents

Related term..... Concretes

Broader term..... Construction materials

Related term..... Mortars

Related term..... Tiles

Related term..... Grouting

Term: grout cleandown

Use..... Finishes

Term: Grout layer

Related term..... Overlays

Term: Grouting

Narrower term..... Pressure grouting

Related term..... Foundations

Related term..... Preplaced aggregate concrete

Related term..... Pumped concrete

Related term..... Grout

Related term..... Machine bases

Related term..... Tiles

Related term..... Sealing

Related term..... Pressure

Related term..... Seepage

Used for..... Injection grouting

Term: Guarded hot box

Related term..... Dynamic tests

Related term..... Walls

Related term..... Calibrated hot box

Related term..... Heat transfer

Related term..... Thermal measurements

Term: Guideways

Related term..... Railroads

Related term..... Rapid transit railways

Related term..... Monorail railways

Related term..... Light rail transit (LRT)

Term: gunite

Use..... Shotcrete

Term: Gutters

Broader term..... Building components

Term: Gymnasiums

Broader term..... Buildings

Related term..... Recreational facilities

Related term..... School buildings

Term: Gypsum

Broader term..... Sulfates

Broader term..... Calcium compounds

Related term..... Supersulfated cements

Related term..... Anhydrite

Used for..... $\text{CaSO}_4(2\text{H}_2\text{O})$

Used for..... Calcium sulfate hydrates

Term: Gypsum cements

Broader term..... Hydraulic cements

Term: gypsum dust

Use..... Dust

Term: Gyrotory compactors

Term: Gyrotory crushers

Broader term..... Crushers

Narrower term..... Cone crushers

Term: HAC

Use..... Calcium aluminate cements (CAC)

Term: Hagnesite

Broader term..... Carbonates

Term: Half cell potential test

Broader term..... Nondestructive tests

Broader term..... Corrosion tests

Term: Halite

Term: Halloysite

Broader term..... Clay minerals

Broader term..... Silicates

Term: Hammer crushers

Broader term..... Crushers

Term: Hammer mills

Broader term..... Secondary crushers

Broader term..... Grinding mills

Used for..... Impact mills

Term: Hand shovels

Term: Hangars

Broader term..... Airports

Related term..... Buildings

Term: Hangers

Broader term..... Airports

Term: Harbor structures

Broader term..... Hydraulic structures

Related term..... Breakwaters

Broader term..... Structures
Narrower term..... Floating docks
Narrower term..... Marinas
Narrower term..... Wharves
Related term..... Harbors
Related term..... Sea walls
Related term..... Quays
Related term..... Docks
Used for..... Marine structures

Term: Harbors

Broader term..... Hydraulic structures
Related term..... Harbor structures
Related term..... Marinas
Used for..... Ports

Term: Hardened concretes

Broader term..... Concretes
Related term..... Cement content tests

Term: Hardened paste structure

Broader term..... Cement pastes
Related term..... Pastes
Related term..... Capillary space

Term: Hardening

Related term..... Setting (hardening)
Related term..... Curing
Related term..... Hydration

Term: Hardgrove Grindability Index (HGI)

Broader term..... Grindability

Term: Hardness tests

Broader term..... Mechanical tests
Related term..... Impact tests
Related term..... Dynamic tests

Term: haydite

Broader term..... Expanded shale aggregates

Term: Hazardous waste derived fuels (HWDF)

Broader term..... Waste-derived fuels (WDF)
Used for..... HWDF

Term: Hazardous wastes

Term: Hazards

Narrower term..... Burns
Narrower term..... Fire hazards
Related term..... Warning systems
Related term..... Fires
Related term..... Safety

Term: Headwalls

Related term..... Hydraulic structures

Term: Health factors

Term: Heat

Related term..... Adiabatic conditions
Related term..... Temperature
Related term..... Thermodynamic properties
Narrower term..... Thermal measurements
Related term..... Infrared radiation
Related term..... Heating
Related term..... Enthalpy
Related term..... Heat storage
Related term..... Heat sinks
Related term..... heat recovery
Related term..... Entropy
Related term..... Thermal radiation
Related term..... Heating load
Related term..... Heat transfer coefficient
Related term..... Heat transfer

Related term..... Heat loss
Related term..... Heat balance
Term: Heat balance
Related term..... Heat
Used for..... energy balance
Term: Heat capacity
Related term..... Specific heat
Term: heat conduction
Use..... Heat transfer
Term: heat conductivity
Use..... Thermal conductivity (k)
Term: heat content
Use..... Enthalpy
Term: heat curing
Use..... Electric curing
Use..... Steam curing
Term: Heat distributing units
Related term..... Ducts
Term: heat exchange
Use..... Heat transfer
Term: Heat exchangers
Related term..... Kilns
Related term..... Coolers
Related term..... Heat transfer
Used for..... calcinators
Term: heat flow
Use..... Heat transfer
Term: Heat flow meters
Used for..... btu
Broader term..... Thermal measuring instruments
Related term..... Heat transfer
Used for..... thermal flow meters
Used for..... heat probes
Term: Heat flux
Related term..... Heat transfer
Related term..... Flux density
Related term..... Heat transfer coefficient
Term: Heat gain
Term: heat insulation
Use..... Thermal insulation
Term: Heat loss
Related term..... Heat transfer
Related term..... Cooling
Related term..... Thermal insulation
Related term..... Heat
Related term..... Heating load
Related term..... heat recovery
Related term..... Heating
Term: heat measurement
Use..... Thermal measurements
Term: Heat of fusion
Term: Heat of hydration
Broader term..... Hydration
Broader term..... Portland cement physical tests
Broader term..... Portland cement physical properties
Broader term..... Thermodynamic properties
Related term..... Heat of solution
Related term..... Calorimeters
Related term..... Hydration reaction rates
Related term..... Low heat cements
Term: Heat of solution
Broader term..... Physical properties

Related term..... Heat of hydration

Term: heat probes

Use..... Heat flow meters

Term: Heat pumps

Related term..... Heat sinks

Term: heat recovery

Related term..... Heat

Related term..... Heat storage

Related term..... Heat transfer

Related term..... Heat loss

Use..... Waste heat utilization

Term: Heat recuperation

Related term..... Coolers

Term: heat resistance

Use..... Thermal resistance (R)

Term: Heat resistant coatings

Broader term..... Coatings

Broader term..... Protective coatings

Related term..... Fire resistant coatings

Related term..... Reflective coatings

Term: Heat resistant steels

Broader term..... Steels

Term: Heat shielding

Related term..... Heat transfer

Related term..... Heat sinks

Term: Heat sinks

Related term..... Heat

Related term..... Cooling systems

Related term..... Heat pumps

Related term..... Heat shielding

Term: Heat storage

Related term..... Heat

Related term..... Cooling load

Related term..... Heating load

Related term..... heat recovery

Term: Heat stress

Related term..... Thermal stresses

Term: Heat transfer

Related term..... Guarded hot box

Related term..... Fire tests

Related term..... Thermal insulation

Related term..... Heat exchangers

Related term..... Heat flow meters

Related term..... Calibrated hot box

Related term..... Cooling

Related term..... Heat

Related term..... Thermal diffusivity

Related term..... Heating load

Related term..... Heat shielding

Related term..... Chain systems

Related term..... Reflective coatings

Related term..... Mechanical engineering

Related term..... Heat loss

Related term..... Convection

Related term..... Energy transfer

Related term..... Conductivity

Related term..... Fluid flow

Related term..... heat recovery

Related term..... Thermal measurements

Related term..... Heat flux

Related term..... Thermal conductivity (k)

Related term..... Cooling load

Related term..... Heat transfer coefficient

Related term..... Heating

Related term..... Nucleate boiling

Related term..... Mass transfer

Used for..... thermal transfer

Used for..... heat flow

Used for..... heat exchange

Used for..... heat conduction

Used for..... heat transmission

Term: Heat transfer coefficient

Related term..... Heat flux

Related term..... Heat

Related term..... Heat transfer

Related term..... Heating

Term: heat transmission

Use..... Heat transfer

Term: Heat value

Term: Heating

Related term..... Heat

Related term..... Salamanders

Related term..... Heat transfer

Related term..... Heat loss

Related term..... Heat transfer coefficient

Term: Heating equipment

Term: Heating load

Related term..... Heat transfer

Related term..... Heat storage

Related term..... Thermal measurements

Related term..... Heat

Related term..... Heat loss

Term: Heaving

Related term..... Subgrades

Term: Heavy duty floors

Broader term..... Floors

Used for..... industrial floors

Term: Heavy media separation

Related term..... Beneficiation

Term: heavy metals

Use..... Trace metals

Term: Heavy vehicle simulator (HVS) test

Term: Heavyweight aggregates

Broader term..... Aggregates

Related term..... Heavyweight concretes

Related term..... Limonite

Related term..... Ilmenite

Related term..... Metal scrap

Related term..... Barite

Related term..... Magnetite

Related term..... Magnenite

Term: Heavyweight concretes

Broader term..... Concretes

Related term..... Radiation shielding

Related term..... Heavyweight aggregates

Term: HEC-RAS (Computer program)

Term: Heliports

Related term..... Airports

Term: Hematite

Broader term..... Iron ores

Term: Hemihydrate

Broader term..... Sulfates

Broader term..... Calcium compounds

Used for..... Calcium sulfate hydrates

Used for..... $\text{CaSO}_4(1/2\text{H}_2\text{O})$
Used for..... plaster of paris
Used for..... Calcium sulfate (hemihydrate)
Term: Hexavalent chromium (Cr(VI))
Broader term..... Chromium
Used for..... chromium VI
Term: High alkali cements
Broader term..... Cements
Broader term..... Portland cements
Related term..... Alkalies
Related term..... Alkali content
Related term..... Alkalies in portland cement
Term: high alumina cements
Related term..... Supersulfated cements
Use..... Calcium aluminate cements (CAC)
Term: High cement content concrete
Use..... High strength concretes (HSC)
Term: High early strength cements
Broader term..... High performance concretes (HPC)
Broader term..... Portland cements
Used for..... portland cement type 3
Used for..... High early strength concrete
Used for..... Rapid hardening cements
Term: High early strength concrete
Use..... High early strength cements
Term: high performance concrete
Use..... High performance concretes (HPC)
Term: High performance concretes (HPC)
Narrower term..... High strength concretes (HSC)
Narrower term..... High early strength cements
Narrower term..... Ultra high performance concretes (UHPC)
Narrower term..... Low permeability concretes
Used for..... high performance concrete
Term: High pressure
Related term..... Tires
Term: High pressure steam curing
Broader term..... Curing
Broader term..... Steam curing
Narrower term..... Autoclaving
Term: High rise buildings
Broader term..... Buildings
Used for..... tall buildings
Used for..... skyscrapers
Related term..... Multistory buildings
Term: high slump concrete
Use..... Self-consolidating concrete (SCC)
Use..... Superplasticizers
Term: High strength bolts
Broader term..... Fasteners
Broader term..... Bolts
Broader term..... Anchor bolts
Related term..... Structural bolts
Term: high strength concrete
Use..... High strength concretes (HSC)
Term: High strength concretes (HSC)
Broader term..... High performance concretes (HPC)
Broader term..... Concretes
Related term..... Prestressed concrete
Used for..... high strength concrete
Used for..... High cement content concrete
Term: High strength steels
Broader term..... Steels

Related term..... Prestressing steels

Related term..... Structural steels

Term: High temperature

Broader term..... Temperature

Term: High temperature tests

Broader term..... Tests

Broader term..... Physical tests

Related term..... Thermal resistance (R)

Related term..... Fire tests

Related term..... Temperature

Related term..... Calorimeters

Related term..... Thermodynamic properties

Related term..... Thermal shock

Related term..... Thermal conductivity (k)

Term: High-range water reducing admixtures

Use..... Water reducing admixtures

Term: high-volume fly ash concrete (HVFA)

Use..... Fly ash concretes

Term: Highway bridges

Broader term..... Bridges

Related term..... Railroad bridges

Related term..... Highways

Related term..... Suspension bridges

Related term..... Rigid frame bridges

Term: Highway construction

Use..... Highways

Term: Highway engineering

Broader term..... Municipal engineering

Related term..... Highways

Term: Highways

Broader term..... Pavements

Narrower term..... Expressways

Related term..... Concrete pavements

Related term..... Median barriers

Broader term..... Roads

Narrower term..... Intersections

Narrower term..... Interchanges

Related term..... Streets

Related term..... Tunnels

Related term..... Highway engineering

Related term..... Highway bridges

Related term..... Shoulders

Used for..... Highway construction

Term: Hillebrandite

Broader term..... Silicates

Term: Hinges

Used for..... plastic hinges

Term: Historic buildings

Broader term..... Buildings

Term: Historical landmarks

Term: History

Term: HLITE (Computer program)

Term: Hog houses

Broader term..... Farm buildings

Term: holes

Use..... Openings

Term: Hollow concrete columns

Broader term..... Columns

Term: Hollow core blocks

Broader term..... Blocks

Broader term..... Concrete blocks

Term: Hollow core slabs

Broader term..... Concrete construction
Broader term..... Slabs
Used for..... Cores (formed holes)
Term: Holnam Inc.
Term: homes
Use..... Houses
Term: Homogenizing
Broader term..... Blending
Broader term..... Mixing
Term: Honeycombing
Broader term..... Surface defects
Term: Hooked reinforcement
Broader term..... Steel reinforcement
Related term..... Anchorage (structural)
Term: Hoop reinforcement
Term: Hoops
Broader term..... Steel reinforcement
Term: Horizontal connections
Broader term..... Connections
Term: Hospitals
Broader term..... Buildings
Term: Hot weather construction
Broader term..... Construction
Broader term..... Concrete construction
Term: Hotels
Broader term..... Commercial buildings
Broader term..... Residential buildings
Broader term..... Public buildings
Term: Houses
Broader term..... Residential buildings
Used for..... homes
Used for..... single family homes
Used for..... housing
Term: housing
Use..... Apartment buildings
Use..... Houses
Term: Humidity
Related term..... Moisture
Related term..... Water
Related term..... Environments
Related term..... Temperature
Related term..... Corrosion
Related term..... Air conditioning
Related term..... Stress corrosion resistance
Related term..... Atmospheric corrosion tests
Related term..... Condensation
Related term..... Psychrometers
Used for..... relative humidity
Term: Humidity control
Related term..... Temperature control
Related term..... Humidity temperature control
Term: Humidity temperature control
Related term..... Humidity control
Term: HWDF
Use..... Hazardous waste derived fuels (HWDF)
Term: hydrating
Use..... Hydration
Term: Hydration
Related term..... Curing
Related term..... Alkali aggregate reactions (AAR)
Related term..... Hardening
Narrower term..... Hydration products

Narrower term..... Heat of hydration

Related term..... Dehydration

Used for..... hydrating

Used for..... aqueous phase

Term: Hydration products

Broader term..... Hydration

Narrower term..... Calcium hydroxides (CH)

Narrower term..... Ettringite

Narrower term..... Monosulfate

Term: Hydration reaction rates

Related term..... Heat of hydration

Term: Hydraulic cements

Narrower term..... Blended cements

Narrower term..... Pozzolan cements

Broader term..... Cements

Narrower term..... Sulfate resistant cements

Narrower term..... Portland cements

Narrower term..... Gypsum cements

Narrower term..... Air entraining cements

Narrower term..... Aluminate cements

Narrower term..... Supersulfated cements

Narrower term..... Lime cements

Narrower term..... Slag cements

Narrower term..... Low heat cements

Narrower term..... Plastic cements

Related term..... Oil well cements

Related term..... Pozzolans

Related term..... Masonry cements

Term: Hydraulic pressure (freezing)

Used for..... Pore water pressure

Term: Hydraulic structures

Broader term..... Structures

Narrower term..... Embankments

Narrower term..... Bridge piers

Narrower term..... Piers

Narrower term..... Culverts

Narrower term..... cofferdams

Narrower term..... Causeways

Narrower term..... Dams

Narrower term..... Locks (Waterways)

Narrower term..... Dikes

Related term..... Flood control

Narrower term..... Caissons

Narrower term..... Reservoirs

Narrower term..... Tunnels

Narrower term..... Revetments

Narrower term..... Harbor structures

Narrower term..... Aqueducts

Narrower term..... Canals

Narrower term..... Sewers

Narrower term..... Breakwaters

Narrower term..... Wharves

Narrower term..... Pipelines

Narrower term..... Water intakes

Narrower term..... Water tunnels

Narrower term..... Sea walls

Narrower term..... Docks

Narrower term..... Penstocks

Narrower term..... Spillways

Narrower term..... Surge tanks

Narrower term..... Harbors

Narrower term..... Water tanks

Related term..... Shore protection

Related term..... Headwalls

Related term..... Hydraulics

Term: Hydraulics

Narrower term..... Cavitation

Related term..... Water supply

Related term..... Hydraulic structures

Related term..... Flood control

Related term..... Civil engineering

Narrower term..... Hydrostatic tests

Term: Hydrocarbons

Broader term..... Organic compounds

Term: Hydrochloric acid

Broader term..... Chlorides

Term: Hydrocyclones

Broader term..... Separators

Term: Hydrodemolition

Term: Hydroelectric power generation

Broader term..... Electric power plants

Narrower term..... Spillways

Related term..... Dams

Related term..... Reservoirs

Related term..... Flood control

Narrower term..... Stilling basins

Narrower term..... Penstocks

Term: Hydrogarnet

Used for..... C3AHx

Term: hydrogels

Use..... Gels

Term: Hydrogen

Narrower term..... Fuels

Related term..... Carbon dioxide capture and storage (CCS)

Term: Hydrogen chloride

Term: hydrogen ion concentration

Use..... pH

Term: Hydrogen peroxide

Broader term..... Oxides

Term: Hydrogen sulfide

Related term..... Sewers

Broader term..... Sulfides

Term: Hydrogeology

Broader term..... Hydrology

Term: Hydrology

Broader term..... Water

Narrower term..... Runoff

Related term..... Water supply

Related term..... Drainage

Related term..... Flood control

Narrower term..... Hydrogeology

Related term..... Ground water

Term: Hydroplaning

Related term..... Skid resistance

Term: Hydrostatic pressure

Broader term..... Pressure

Related term..... Hydrostatic tests

Term: Hydrostatic tests

Broader term..... Tests

Broader term..... Hydraulics

Related term..... Tensile strength

Related term..... Tensile stress

Related term..... Dynamic tests

Related term..... Tension tests

Related term..... Static tests

Related term..... Hydrostatic pressure

Term: Hydrothermal reactions

Related term..... Autoclaving

Related term..... Steam curing

Term: Hydroxides

Narrower term..... Lithium hydroxide

Narrower term..... Calcium hydroxides (CH)

Related term..... Alkalies

Narrower term..... Sodium hydroxide

Narrower term..... Magnesium hydroxide (Mg(OH)₂)

Narrower term..... Aluminum hydroxides

Narrower term..... Ammonium hydroxide

Narrower term..... Potassium hydroxides

Narrower term..... Barium hydroxides

Related term..... Bauxite

Related term..... Gibbsite

Related term..... Diaspore

Used for..... bases (chemical)

Term: Hydroxy acid esters

Related term..... Esters

Term: Hydroxy acids

Broader term..... Organic acids

Term: hydroxycarboxylic acids

Use..... Carboxylic acid esters

Term: Hygrometers

Broader term..... Measuring instruments

Broader term..... Moisture meters

Related term..... Chemical analysis

Narrower term..... Psychrometers

Term: Hygrothermal dilation

Term: Hyperbolic parabolic shells

Broader term..... Shells (structural forms)

Term: Hysteresis

Broader term..... Physical properties

Broader term..... Mechanical properties

Related term..... Tensile properties

Related term..... Damping

Related term..... Tolerances (Mechanics)

Related term..... Shear properties

Related term..... Adsorption

Broader term..... Dynamic characteristics

Related term..... Tires

Term: i

Term: I beams

Broader term..... Beams

Term: Ice

Term: Ice prevention

Related term..... Freeze thaw durability

Related term..... Deicers

Related term..... Deicing

Related term..... Freezing

Used for..... icing

Term: icf

Use..... Insulating concrete forms (ICF)

Term: icing

Use..... Ice prevention

Term: Igneous rocks

Broader term..... Rocks

Related term..... Carbonate aggregates

Narrower term..... Andesite

Narrower term..... Breccia

Narrower term..... Obsidian
Narrower term..... Gabbro
Narrower term..... Perlite
Narrower term..... Extrusive rocks
Narrower term..... Tuff
Narrower term..... Granite
Narrower term..... Ultrabasic rocks
Narrower term..... Lavas
Narrower term..... Porphyry
Narrower term..... Pumice
Narrower term..... Rhyolite
Narrower term..... Basalt
Narrower term..... Diorite
Narrower term..... Pegmatite
Narrower term..... Pyroclastic rocks
Narrower term..... Diabase
Narrower term..... Intrusive rocks
Related term..... Metamorphic rocks
Related term..... Mica
Related term..... Sericite
Related term..... Mineral deposits
Related term..... Sedimentary rocks

Term: Ignition loss

Term: Illite

Broader term..... Silicates
Broader term..... Clay minerals
Related term..... Montmorillonite

Term: Ilmenite

Related term..... Heavyweight aggregates

Term: Immersion tests (corrosion)

Broader term..... Corrosion tests
Broader term..... Chemical tests

Term: Impact

Related term..... Stresses
Related term..... Impact strength
Related term..... Shock resistance
Related term..... Mechanical shock
Related term..... Shock mechanics
Related term..... Pressure
Related term..... Shock waves

Term: Impact crushers

Broader term..... Crushers

Term: Impact echo method

Broader term..... Nondestructive tests

Term: Impact mills

Use..... Hammer mills
Broader term..... Secondary crushers

Term: Impact resistance

Use..... Impact strength

Term: Impact shock

Term: Impact strength

Broader term..... Strength
Related term..... Impact tests
Broader term..... Mechanical properties
Related term..... Dynamic loads
Related term..... Ductility
Related term..... Impact
Related term..... Tensile properties
Related term..... Shock resistance
Used for..... Impact resistance

Term: Impact tests

Related term..... Compressive strength

Broader term..... Nondestructive tests
Broader term..... Mechanical tests
Broader term..... Dynamic tests
Narrower term..... Acoustic impact tests
Narrower term..... Schmidt rebound hammer test
Related term..... Hardness tests
Related term..... Tension tests
Related term..... Ductility tests
Related term..... Shear tests
Related term..... Bend tests
Related term..... Fatigue tests
Related term..... Impact strength

Term: impermeability

Use..... Permeability

Term: Impregnating

Related term..... Chemical attack

Term: Impulse response testing

Term: Impurities

Narrower term..... Organic impurities

Used for..... Contaminants

Term: Incineration

Broader term..... Waste disposal

Related term..... Combustion

Term: incompatibility

Use..... Chemical incompatibilities

Term: Incremental launching method

Broader term..... Progressive placement method

Broader term..... Segmental construction

Related term..... Construction

Narrower term..... Launching trusses

Term: indoor air quality

Term: Inductance meters

Term: Industrial accidents

Broader term..... Accidents

Term: Industrial buildings

Broader term..... Buildings

Narrower term..... Warehouses

Used for..... Factories

Term: industrial floors

Use..... Heavy duty floors

Term: Industrial hygiene

Term: Industrial waste treatment

Broader term..... Waste treatment

Related term..... Water pollution

Term: Industrial wastes

Related term..... Waste disposal

Related term..... Air pollution

Related term..... Admixtures

Broader term..... Waste materials

Term: Industrialized buildings

Use..... Prefabrication

Term: inelasticity

Use..... Elastic properties

Term: Inerting systems

Broader term..... Fuels

Term: Inflatable forms

Broader term..... Removable forms

Term: Influence lines

Related term..... Structural analysis

Term: Information retrieval

Related term..... Bibliographies

Related term..... Computer programs

Related term..... Data processing

Term: Infrared curing

Broader term..... Curing

Term: Infrared imaging

Term: Infrared radiation

Related term..... Heat

Term: Infrared spectrophotometers

Broader term..... Measuring instruments

Related term..... Infrared spectroscopy

Term: Infrared spectroscopy

Broader term..... Spectroscopy

Related term..... Admixtures

Broader term..... Chemical analysis

Related term..... Infrared spectrophotometers

Related term..... Organic compounds

Related term..... Raman spectrometry

Term: Infrared thermography

Broader term..... Nondestructive tests

Term: Infrastructure

Broader term..... Public works

Term: Initial set

Broader term..... Setting (hardening)

Term: Initial tangent modulus

Broader term..... Mechanical properties

Related term..... Modulus of elasticity

Term: Injection grouting

Use..... Grouting

Term: Inorganic acids

Broader term..... Acids

Term: Inorganic silicates

Term: Insecticides

Term: Inserts

Related term..... Fasteners

Term: Inspection

Related term..... Quality control

Related term..... Construction

Related term..... Performance tests

Related term..... Chemical tests

Related term..... Acceptability

Related term..... Calibrating

Term: instrumentation

Use..... Instruments

Term: Instruments

Narrower term..... Measuring instruments

Narrower term..... Recording instruments

Narrower term..... Electronic instruments

Narrower term..... Strain measuring instruments

Used for..... instrumentation

Term: Insufflation

Term: Insulating boards

Term: Insulating concrete forms (ICF)

Broader term..... Concrete construction

Broader term..... Permanent forms

Broader term..... Building systems

Related term..... Removable concrete forms (RCF)

Used for..... icf

Term: Insulating concretes

Broader term..... Lightweight concretes

Broader term..... Insulation

Related term..... Foaming agents

Related term..... Lightweight aggregate concretes

Related term..... Bagasse

Related term..... Roofs

Related term..... Cellular concretes

Related term..... Nailability

Term: Insulating materials

Use..... Insulation

Term: Insulation

Related term..... Perlite

Related term..... Damping

Related term..... Wallboard

Related term..... Rock wool

Broader term..... Construction materials

Narrower term..... Thermal insulation

Narrower term..... Acoustic insulation

Narrower term..... Exterior insulation and finish systems (EIFS)

Narrower term..... Insulating concretes

Related term..... Fire resistant materials

Related term..... Jackets

Related term..... Vermiculite

Used for..... Insulating materials

Term: Intake systems

Related term..... Ducts

Related term..... Plenum chambers

Term: Integral abutment bridges

Term: Integrated mechanical structural systems

Related term..... Floors

Term: interactions

Use..... Chemical incompatibilities

Term: Interchanges

Broader term..... Highways

Narrower term..... Ramps

Related term..... Intersections

Term: intergrinding

Use..... Cement additives (clinker)

Term: Interlocking blocks

Broader term..... Paving blocks

Related term..... Block pavements

Term: Internal drying

Term: Internal friction

Broader term..... Physical properties

Related term..... Rheological properties

Related term..... Viscosity

Related term..... Density (mass/volume)

Related term..... cohesion

Related term..... Damping capacity

Term: Internal sealing

Term: Intersections

Broader term..... Highways

Related term..... Streets

Used for..... Grade crossings

Narrower term..... Railroad crossings

Related term..... Interchanges

Term: Interstate highway system

Use..... Expressways

Term: Intrusive rocks

Broader term..... Igneous rocks

Term: Inverted T bridge system (IT)

Term: Ion chromatography

Broader term..... Chromatography

Term: Iron

Term: Iron inorganic compounds

Narrower term..... Calcium aluminoferrites

Narrower term..... C2F

Narrower term..... Calcium ferrite hydrates

Narrower term..... Iron oxides

Narrower term..... Calcium ferrites

Related term..... Ferrites

Term: Iron ores

Narrower term..... Limonite

Narrower term..... Hematite

Narrower term..... Siderite

Narrower term..... Magnetite

Narrower term..... Taconite

Narrower term..... Pyrite

Term: Iron oxides

Broader term..... Iron inorganic compounds

Broader term..... Oxides

Related term..... Pigments

Term: Irradiated impregnated polymer concrete

Use..... Polymer portland cement concretes

Use..... Irradiation

Term: Irradiation

Used for..... Irradiated impregnated polymer concrete

Term: Irrigation

Broader term..... Water supply

Narrower term..... Irrigation pipes

Narrower term..... Irrigation canals

Related term..... Drainage

Related term..... Drain tiles

Term: Irrigation canals

Broader term..... Canals

Broader term..... Irrigation

Related term..... Siphons

Term: Irrigation pipes

Broader term..... Pipes (tubes)

Related term..... Cast in place pipes

Broader term..... Irrigation

Broader term..... Concrete pipes

Term: Isocyanate resins

Use..... Polyurethane resins

Term: Isolated walls

Broader term..... Walls

Broader term..... Structural walls

Term: Isolation joints

Related term..... Construction joints

Broader term..... Joints

Related term..... Expansion joints

Related term..... Contraction joints

Term: Isothermal calorimetry

Broader term..... Calorimetry

Term: Isotherms

Use..... Thermal gradients

Term: Jackets

Related term..... Insulation

Related term..... Sheaths

Term: Jacking

Related term..... Pavements

Related term..... Lift slab construction

Narrower term..... Mud jacking

Narrower term..... Jacks (lifts)

Related term..... Underpinning

Related term..... Slipform construction

Related term..... Shoring

See also... Foundations

Term: Jacks (lifts)

Broader term..... Jacking

Term: Jaw crushers

Broader term..... Crushers

Term: Jersey barriers

Broader term..... Median barriers

Term: Jet cement

Use..... Regulated-set cements

Term: Jet engine fuels

Broader term..... Aviation fuels

Broader term..... Fuels

Term: Jet mills

Broader term..... Grinding mills

Broader term..... Secondary crushers

Term: Jet piercing method

Use..... Cutting

Term: Joint fillers

Broader term..... Sealers

Related term..... Joints

Term: Joint sealants

Related term..... Joints

Broader term..... Sealants

Broader term..... Sealers

Used for..... sealants (joint)

Used for..... Water stops

Term: Jointed portland cement concrete pavements (JPCP)

Use..... Concrete pavements

Term: Joints

Narrower term..... Contraction joints

Narrower term..... Construction joints

Narrower term..... Expansion joints

Narrower term..... Isolation joints

Narrower term..... Mortar joints

Broader term..... Concrete construction

Narrower term..... Pipe joints

Narrower term..... Keyed joints

Narrower term..... Sawed joints

Related term..... Joint fillers

Related term..... Joint sealants

Related term..... Connections

Related term..... Fasteners

Related term..... Shape factor

Related term..... Dowels

Related term..... Randomized joint spacings

Related term..... Connectors

Term: joist hangers

Term: Joists

Broader term..... Beams

Broader term..... Girders

Used for..... purlins

Related term..... Stringers

Used for..... Ribbed slabs

Term: Kaolin

Broader term..... Silicates

Broader term..... Clay minerals

Broader term..... Clays

Term: Kelly ball test

Term: Kelly-Vail system

Term: Kerosene

Term: Ketones

Broader term..... Organic compounds

Term: Keyed joints

Broader term..... Joints

Term: Kiln air seals

Broader term..... Kilns

Term: Kiln bricks

Broader term..... Refractories

Term: Kiln buildup

Broader term..... Kilns

Used for..... buildups

Broader term..... Rotary kilns

Used for..... kiln rings

Term: kiln chains

Use..... Chain systems

Term: Kiln coatings

Broader term..... Rotary kilns

Broader term..... Kiln linings

Term: Kiln feed

Use..... Portland cement raw materials

Term: Kiln linings

Broader term..... Rotary kilns

Narrower term..... Kiln coatings

Term: kiln rings

Use..... Kiln buildup

Term: Kiln tires

Broader term..... Rotary kilns

Term: Kilns

Broader term..... Cement manufacturing

Narrower term..... Portland cement kiln reactions

Related term..... Atmospheric pressure steam curing

Related term..... Drying

Used for..... cement kilns

Broader term..... Cement plants

Narrower term..... Rotary kilns

Narrower term..... Kiln buildup

Narrower term..... Kiln air seals

Narrower term..... Shaft kilns

Related term..... Sintering

Related term..... Coolers

Related term..... Refractories

Related term..... Drying apparatus

Related term..... Calcination

Related term..... Heat exchangers

Related term..... Fluorides

Related term..... Chain systems

Related term..... Wet process

Term: Kinetic energy

Term: Kinetics

Related term..... Reaction kinetics

Term: L beams

Broader term..... Beams

Term: Laboratories

Broader term..... Buildings

Used for..... testing laboratories

Term: Laboratory tests

Term: laboratory trial proportioning

Use..... Mix proportioning

Term: Lap connections

Broader term..... Connections

Related term..... Splicing

Term: Large panel construction

Broader term..... Construction

Term: Lasers

Broader term..... Measuring instruments

Term: lateral loads

Use..... Lateral pressure

Term: Lateral pressure

Broader term..... Pressure

Related term..... Structural walls

Related term..... Wind pressure

Related term..... Dynamic loads

Related term..... Live loads

Related term..... Earth pressure

Used for..... lateral loads

Term: Latex

Broader term..... Admixtures

Broader term..... Plastics

Narrower term..... Polyvinyl chloride (PVC)

Narrower term..... Polyvinyl acetate

Related term..... Elastomers

Related term..... Styrene butadiene resins

Related term..... Polybutadiene

Related term..... Polyisoprene

Term: Latex (plastic)

Term: Latex modified concretes

Broader term..... Concretes

Term: Lath

Broader term..... Construction materials

Related term..... Plastering

Term: Launching trusses

Broader term..... Incremental launching method

Related term..... Construction equipment

Broader term..... Trusses

Term: Lavas

Broader term..... Igneous rocks

Broader term..... Natural aggregates

Term: Lawn ornaments

Term: Laws

Narrower term..... Building codes

Term: Layered system

Term: Leaching

Related term..... Efflorescence

Related term..... Weathering

Broader term..... Separation

Related term..... Permeability

Term: Lead (Pb)

Broader term..... Trace metals

Term: leadership in energy and environmental design green building rating system

Use..... LEED Green Building Rating System

Term: Leaf filters

Broader term..... Separators

Term: leakage

Use..... Seepage

Term: Lean concretes

Broader term..... Concretes

Related term..... Pavements

Related term..... Econcrete

Related term..... Subbases

Related term..... Shoulders

Related term..... Backfills

Term: LEED Green Building Rating System

Used for..... leadership in energy and environmental design green building rating system

Term: Length change test (ASTM C 157)

Broader term..... Tests (Hardened concrete)

Term: Life cycle

Broader term..... Service life

Narrower term..... Life cycle costing (LCC)

Narrower term..... Life cycle assessment (LCA)

Term: life cycle analysis

Use..... Life cycle assessment (LCA)

Term: Life cycle assessment (LCA)

Used for..... total cost assessment

Used for..... environmental life cycle assessment

Broader term..... Life cycle

Used for..... Whole life costing

Used for..... life cycle analysis

Used for..... life cycle inventory (Ici)

Term: Life cycle costing (LCC)

Broader term..... Life cycle

Term: life cycle inventory (Ici)

Use..... Life cycle assessment (LCA)

Term: Lift bridges

Broader term..... Bridges

Related term..... Rigid frame bridges

Term: Lift slab construction

Broader term..... Construction

Broader term..... Concrete construction

Related term..... Jacking

Related term..... Slabs

Term: light poles

Use..... Poles (supports)

Term: Light rail transit (LRT)

Broader term..... Railroads

Related term..... Guideways

Narrower term..... Rapid transit railways

Narrower term..... Monorail railways

Term: Light reflectance

Narrower term..... Albedo

Related term..... Pavements

Used for..... reflection coefficient

Term: Lightweight aggregate concretes

Broader term..... Lightweight concretes

Broader term..... Concretes

Related term..... Expanded shale aggregates

Related term..... Lightweight aggregates

Related term..... Expanded slag aggregates

Related term..... Expanded clay aggregates

Related term..... Expanded slate aggregates

Related term..... Insulating concretes

Used for..... Structural lightweight concretes

Term: Lightweight aggregates

Narrower term..... Expanded shale aggregates

Broader term..... Aggregates

Narrower term..... Expanded slag aggregates

Narrower term..... Expanded slate aggregates

Narrower term..... Expanded clay aggregates

Narrower term..... Polystyrene beads

Related term..... Refractories

Related term..... Sawdust

Related term..... Slags

Related term..... Lightweight aggregate concretes

Related term..... Bagasse

Related term..... Cinders

Related term..... Fly ash

Related term..... Lightweight concretes

Related term..... Clays

Related term..... Perlite

Related term..... Slates

Related term..... Vermiculite

Related term..... Shales

Related term..... Pumice

Related term..... Sinter (material)

Term: Lightweight blocks

Broader term..... Blocks

Broader term..... Concrete blocks

Term: Lightweight concretes

Narrower term..... Cellular concretes

Related term..... Lightweight aggregates

Broader term..... Concretes

Narrower term..... Lightweight aggregate concretes

Narrower term..... Insulating concretes

Related term..... Precast concrete

Term: Lignin and derivatives

Broader term..... Admixtures

Related term..... Retarders

Related term..... Water reducing admixtures

Used for..... Sulfite waste liquor

Used for..... lignosulfonate

Term: Lignite

Broader term..... Fossil fuels

Broader term..... Coal

Term: lignosulfonate

Use..... Lignin and derivatives

Term: Lime

Narrower term..... Lime modified soils

Related term..... Calcium hydroxides (CH)

Used for..... calcium oxide

Term: Lime cements

Broader term..... Hydraulic cements

Broader term..... Cements

Related term..... Stucco

Related term..... Plaster

Related term..... Oil well cements

Related term..... Mortars

Related term..... Masonry cements

Term: Lime fly ash

Related term..... Lime modified soils

Related term..... Fly ash

Term: Lime modified soils

Related term..... Soil cement

Broader term..... Lime

Related term..... Lime fly ash

Used for..... Soil lime mixtures

Term: Lime ratio

Term: Lime silica ratio

Term: Limestone

Broader term..... Carbonate aggregates

Broader term..... Sedimentary rocks

Broader term..... Natural aggregates

Narrower term..... Coquina

Related term..... Portland cement raw materials

Related term..... Marls

Related term..... Marble

Related term..... Dolomite

Related term..... Calcium carbonates

Term: Limestone additions

Broader term..... Cement additives (clinker)

Term: Limit design method

Broader term..... Plastic analysis

Broader term..... Structural analysis

Related term..... Statically indeterminate structures

Related term..... Equilibrium methods
Related term..... Finite element method
Related term..... Energy methods

Term: Limited access highways

Use..... Expressways

Term: Limiting strain

Related term..... Strains

Term: Limonite

Related term..... Heavyweight aggregates

Broader term..... Iron ores

Term: Linear accelerators

Broader term..... Particle accelerators

Term: Linear traverse

Related term..... Air entrainment

Term: Linings

Use..... Tunnel linings

Use..... Canal linings

Use..... Mortar linings

Use..... Pipe linings

Term: Linoleates

Related term..... Esters

Term: Linolenates

Related term..... Esters

Term: Linseed oil

Related term..... Coatings

Broader term..... Oils

Related term..... Protective coatings

Term: Lintels

Broader term..... Concrete products

Term: Liquefied gases

Related term..... Cryogenics

Related term..... Fossil fuels

Term: Liquid chromatography

Broader term..... Chromatography

Term: liquid phase analysis

Term: Liquefied gases

Related term..... Cryogenics

Related term..... Fossil fuels

Term: Lithium

Broader term..... Trace metals

Term: lithium admixtures

Term: Lithium hydroxide

Broader term..... Hydroxides

Broader term..... Lithium inorganic compounds

Term: Lithium inorganic compounds

Narrower term..... Lithium hydroxide

Narrower term..... Lithium oxides

Term: Lithium nitrate

Term: Lithium oxides

Broader term..... Oxides

Broader term..... Alkalies

Broader term..... Lithium inorganic compounds

Term: lithium salts

Term: Live loads

Broader term..... Loads (forces)

Related term..... Lateral pressure

Related term..... Dynamic loads

Related term..... Earthquakes

Narrower term..... Axle loads

Related term..... Wind pressure

Related term..... Static loads

Related term..... Structural walls

Used for..... vehicular loading

Used for..... moving loads

Term: Load and resistance factor design (LRFD)

Broader term..... Loads (forces)

Broader term..... Load factors

Broader term..... Structural design

Used for..... resistance factors

Term: Load bearing walls

Use..... Bearing walls

Term: Load cells

Broader term..... Load tests (structural)

Narrower term..... Strain gages

Related term..... Mechanical tests

Related term..... Strain measuring instruments

Related term..... Transducers

Related term..... Weight measurement

Related term..... Pressure gages

Used for..... Pressure cells

Term: load distribution

Use..... Loads (forces)

Term: Load factors

Narrower term..... Load and resistance factor design (LRFD)

Term: Load tests (structural)

Broader term..... Mechanical tests

Narrower term..... Load cells

Related term..... Field tests

Term: Load transfer

Related term..... Aggregate interlock

Term: load-carrying capacity

Term: loading (structural)

Use..... Loads (forces)

Term: Loading rate

Related term..... Dynamic tests

Related term..... Mechanical tests

Used for..... rate of loading

Term: Loads (forces)

Narrower term..... Fatigue loads

Narrower term..... Static loads

Narrower term..... Load and resistance factor design (LRFD)

Narrower term..... Eccentric loads

Narrower term..... Axial loads

Narrower term..... Live loads

Narrower term..... Cyclic loads

Narrower term..... Dynamic loads

Related term..... Stresses

Related term..... Pressure

Used for..... load distribution

Used for..... structural loading

Used for..... loading (structural)

Term: Locks (fasteners)

Broader term..... Fasteners

Term: Locks (Waterways)

Broader term..... Hydraulic structures

Related term..... Canals

Used for..... canal locks

Term: Long columns

Broader term..... Columns

Term: Long spans

Related term..... Beams

Broader term..... Spans

Term: Long term testing

Use..... Field tests

Term: long time study

Use..... Field tests

Term: Low alkali cements

Broader term..... Cements

Related term..... Alkalies

Related term..... Alkali content

Related term..... Alkalies in portland cement

Term: Low heat cements

Broader term..... Portland cements

Broader term..... Hydraulic cements

Related term..... Portland pozzolan cements

Related term..... Mass concrete

Related term..... Heat of hydration

Related term..... Temperature rise (in concrete)

Used for..... portland cement type 4

Used for..... type iv cements

Term: Low permeability concretes

Broader term..... High performance concretes (HPC)

Term: low pressure steam curing

Use..... Atmospheric pressure steam curing

Term: Low slump concrete

Term: Low temperature

Broader term..... Temperature

Related term..... Cold weather construction

Related term..... Cryogenics

Related term..... Freezing

Term: Low temperature tests

Broader term..... Physical tests

Broader term..... Tests

Related term..... Thermal resistance (R)

Related term..... Cryogenics

Related term..... Thermodynamic properties

Related term..... Thermal conductivity (k)

Related term..... Thermal shock

Term: LS-Dyna (Computer program)

Term: Lubricants

Term: Lugs

Related term..... Studs

Related term..... Fasteners

Term: Lumber

Related term..... Formwork

Broader term..... Construction materials

Term: Lunar concrete

Term: Macadam pavements

Term: Machine bases

Broader term..... Foundations

Related term..... Grouting

Term: Magnenite

Related term..... Heavyweight aggregates

Term: magnesia

Use..... Magnesium oxides (MgO)

Term: Magnesite

Broader term..... Carbonates

Term: Magnesium

Broader term..... Trace metals

Term: Magnesium aluminates

Broader term..... Aluminum inorganic compounds

Term: magnesium ammonium phosphate cements (MAP)

Use..... Magnesium phosphate cements

Term: Magnesium cements

Broader term..... Cements

Narrower term..... Magnesium phosphate cements

Used for..... Magnesium oxysulfate

Used for..... Magnesium oxychloride

Used for..... sored cements

Term: Magnesium chlorides (MgCl₂)

Broader term..... Chlorides

Broader term..... deicing chemicals

Used for..... MgCl₂

Term: Magnesium compounds

Related term..... Alkaline earth compounds

Term: Magnesium hydroxide (Mg(OH)₂)

Broader term..... Hydroxides

Used for..... Mg(OH)₂

Broader term..... Magnesium inorganic compounds

Used for..... brucite

Term: Magnesium inorganic compounds

Narrower term..... Magnesium oxides (MgO)

Narrower term..... Magnesium hydroxide (Mg(OH)₂)

Narrower term..... Magnesium sulfates

Term: Magnesium oxides (MgO)

Broader term..... Magnesium inorganic compounds

Broader term..... Oxides

Related term..... Soundness

Related term..... Portland cement compound composition + MgO

Used for..... MgO

Used for..... magnesia

Used for..... periclase

Term: Magnesium oxychloride

Use..... Magnesium cements

Term: Magnesium oxysulfate

Use..... Magnesium cements

Term: Magnesium phosphate cements

Broader term..... Phosphate cements

Broader term..... Magnesium cements

Used for..... magnesium ammonium phosphate cements (MAP)

Term: Magnesium silicate hydrate (M-S-H)

Term: Magnesium sulfates

Broader term..... Magnesium inorganic compounds

Broader term..... Sulfates

Used for..... MgSO₄

Term: Magnetic resonance

Broader term..... Spectroscopy

Term: Magnetic separators

Broader term..... Classifiers

Broader term..... Separators

Related term..... Electrostatic precipitators

Term: Magnetic tomography

Term: Magnetite

Broader term..... Iron ores

Related term..... Heavyweight aggregates

Term: Maintenance

Related term..... Repairs

Related term..... Construction

Used for..... preservation

Related term..... Rebuilding

Related term..... Renovation

Related term..... Patching

Term: Maleic acid

Broader term..... Organic acids

Term: Malonates

Related term..... Esters

Term: Manganese

Broader term..... Trace metals

Term: Manholes

Broader term..... Concrete products

Term: Manufacturing

Term: Manufacturing technologies

Term: Map cracking

Broader term..... Shrinkage cracking

Related term..... Crazeing

Used for..... pattern cracking

Term: Marble

Broader term..... Natural aggregates

Related term..... Limestone

Term: Marinas

Broader term..... Harbor structures

Related term..... Floating docks

Related term..... Recreational facilities

Related term..... Harbors

Term: Marine atmospheres

Related term..... Corrosion

Related term..... Environments

Related term..... Sulfate resistance

Term: Marine engineering

Broader term..... Engineering

Term: Marine structures

Use..... Harbor structures

Term: Marls

Related term..... Limestone

Related term..... Clay minerals

Term: Masonry

Broader term..... Construction materials

Narrower term..... Concrete blocks

Narrower term..... Architectural masonry

Narrower term..... Masonry walls

Related term..... Efflorescence

Related term..... Ties (reinforcement)

Related term..... Construction

Related term..... Curtain walls

Related term..... Brick construction

Narrower term..... Reinforced masonry

Narrower term..... Coping

Narrower term..... Raked joints

Narrower term..... Bricks

Narrower term..... Masonry mortars

Narrower term..... Blocks

Related term..... Tiles

Related term..... Mortars

Related term..... Tuckpointing

Related term..... Masonry cements

Related term..... Fire resistant materials

Related term..... Structural clay products

Related term..... Facings

Used for..... masonry construction

Used for..... concrete masonry

Term: Masonry cements

Broader term..... Portland cements

Related term..... Epoxy resins

Related term..... Masonry

Related term..... Hydraulic cements

Related term..... Lime cements

Related term..... Resin cements

Related term..... Masonry mortars

Related term..... Air entraining cements

Term: masonry construction

Use..... Masonry

Term: Masonry dams

Use..... Dams

Term: Masonry load bearing walls

Broader term..... Walls

Broader term..... Structural walls

Broader term..... Masonry walls

Term: Masonry mortars

Broader term..... Mortars

Broader term..... Masonry

Related term..... Masonry cements

Term: masonry structures

Use..... Brick construction

Term: Masonry walls

Broader term..... Walls

Narrower term..... Masonry load bearing walls

Used for..... Brick walls

Broader term..... Masonry

Related term..... Slenderness ratio

Term: Mass concrete

Broader term..... Concretes

Broader term..... Concrete dams

Related term..... Dams

Related term..... Temperature rise (in concrete)

Related term..... Preplaced aggregate concrete

Related term..... Low heat cements

Related term..... Pozzolans

Related term..... Cooling

Term: Mass transfer

Related term..... Heat transfer

Term: Mat foundations

Broader term..... Foundations

Term: Material safety data sheets

Term: Material testing

Use..... Tests

Term: Materials handling

Broader term..... Tanks (Containers)

Narrower term..... Conveyors

Related term..... Cement storage

Related term..... Waste disposal

Related term..... Stockpiling

Related term..... Storage structures

Broader term..... Cement manufacturing

Related term..... Conveying

Related term..... Chutes

Term: Materials tests

Use..... Tests

Term: Mathematical models

Narrower term..... Computerized design

Broader term..... Models

Narrower term..... Computerized simulation

Related term..... Stochastic processes

Related term..... Monte carlo method

Used for..... analytical models

Term: Matrix methods

Broader term..... Structural analysis

Narrower term..... Unit displacement method

Narrower term..... Stiffness methods

Related term..... Energy methods

Related term..... Elastic analysis

Related term..... Statically indeterminate structures

Related term..... Equilibrium methods

Related term..... Finite element method

Related term..... Structural dynamics

Related term..... Compatibility methods

Narrower term..... Unit load method

Narrower term..... Flexibility methods

Related term..... Deformation methods

Related term..... Static structural analysis

Related term..... Stability methods

Term: Maturity method test (Fresh concrete, ASTM C 918)

Broader term..... Nondestructive tests

Broader term..... Tests (Fresh concrete)

Term: Maturity method test (Hardened concrete, ASTM C 1074)

Broader term..... Nondestructive tests

Broader term..... Tests (Hardened concrete)

Used for..... astm c 1074

Term: Maximum size aggregate

Use..... Aggregate size

Term: McPherson test road

Broader term..... Test roads

Term: Measurement

Related term..... Mechanical tests

Narrower term..... Measuring instruments

Related term..... Confidence limits

Term: Measuring instruments

Broader term..... Measurement

Narrower term..... Charge measuring instruments

Narrower term..... Strain gages

Narrower term..... Extensometers

Narrower term..... Profilometers

Narrower term..... Moisture meters

Related term..... Mechanical tests

Related term..... Test equipment

Broader term..... Instruments

Narrower term..... Rapid analyses machine

Narrower term..... Electron probes

Narrower term..... Strain measuring instruments

Narrower term..... Tachometers

Narrower term..... Optical measuring instruments

Narrower term..... Turbidimeters

Narrower term..... Comparators

Narrower term..... Voltmeters

Narrower term..... Stream gages

Narrower term..... Turbidimeters

Narrower term..... Micrometers

Narrower term..... Coulometers

Narrower term..... Lasers

Narrower term..... Rapid analysis machine (RAM)

Narrower term..... Hygrometers

Narrower term..... Potentiometers

Narrower term..... Gravimeters

Narrower term..... Thermal measuring instruments

Narrower term..... Thermocouples

Narrower term..... Pressure gages

Narrower term..... Electronic instruments

Narrower term..... Infrared spectrophotometers

Narrower term..... Resistance thermometers

Narrower term..... Psychrometers

Narrower term..... Viscometers

Narrower term..... Tensiometers

Narrower term..... Theodolites

Related term..... Recording instruments

Related term..... Calibrating

Related term..... Transducers
Related term..... Control equipment
Used for..... meters

Term: Mechanical engineering

Broader term..... Engineering
Related term..... Heat transfer

Term: Mechanical properties

Narrower term..... Tensile strength
Narrower term..... Impact strength
Narrower term..... Ductility
Narrower term..... Shear properties
Narrower term..... Fatigue
Narrower term..... Abrasion resistance
Narrower term..... Elastic properties
Narrower term..... Modulus of elasticity
Narrower term..... Elastic limit
Narrower term..... Workability
Narrower term..... Creep
Narrower term..... Stress relaxation
Narrower term..... Flexural strength
Narrower term..... Viscoelasticity
Narrower term..... Compressive strength
Narrower term..... Thermal resistance (R)
Narrower term..... Yield strength
Related term..... Quality control
Related term..... Strains
Related term..... Deformation (Elastic and inelastic)
Related term..... Mechanical tests
Related term..... Durability
Broader term..... Properties
Broader term..... Physical properties
Narrower term..... Tensile properties
Narrower term..... Damping capacity
Narrower term..... Plastic limit
Narrower term..... Initial tangent modulus
Narrower term..... Dynamic modulus of elasticity
Narrower term..... Friction
Narrower term..... Secant modulus
Narrower term..... Residual stress
Narrower term..... Angle of repose
Narrower term..... Tangent modulus
Narrower term..... Creep recovery
Narrower term..... Stiffness
Narrower term..... Yield point
Narrower term..... Poisson's ratio
Narrower term..... Fracture properties
Narrower term..... Photoelasticity
Narrower term..... Resilience
Narrower term..... Hysteresis
Narrower term..... Shear modulus
Related term..... Surface properties
Related term..... Rheological properties
Related term..... Acoustic properties
Used for..... Mechanical strength
Used for..... Strength of materials
Used for..... Constitutive relations of concrete

Term: Mechanical roughening

Related term..... Overlays

Term: Mechanical shock

Related term..... Impact
Related term..... Vibration
Related term..... Shock resistance

Related term..... Shock mechanics

Term: Mechanical strength

Use..... Mechanical properties

Term: Mechanical tests

Narrower term..... Impact tests

Narrower term..... Pullout tests

Narrower term..... Torsion tests

Narrower term..... Triaxial tests

Narrower term..... Flexural strength tests

Narrower term..... Load tests (structural)

Related term..... Load cells

Related term..... Nondestructive tests

Related term..... Quality control

Broader term..... Physical tests

Broader term..... Tests

Narrower term..... Creep tests

Narrower term..... Stress relaxation tests

Narrower term..... Hardness tests

Narrower term..... Fatigue tests

Narrower term..... Shear tests

Narrower term..... Fracture tests

Narrower term..... Tension tests

Narrower term..... Compressive strength tests

Narrower term..... Plasticity tests

Narrower term..... Ductility tests

Narrower term..... Abrasion tests

Narrower term..... Wear tests

Narrower term..... Bend tests

Related term..... Measuring instruments

Related term..... Dynamic tests

Related term..... Ultrasonic tests

Related term..... Stress analysis

Related term..... Extensometers

Related term..... Strain gages

Related term..... Static tests

Related term..... Stress corrosion tests

Related term..... Measurement

Related term..... Loading rate

Related term..... Mechanical properties

Related term..... Sampling concrete

Related term..... Stresses

Term: Median barriers

Broader term..... Barriers

Narrower term..... Jersey barriers

Related term..... Expressways

Related term..... Highways

Term: Meetings

Used for..... conferences

Used for..... conventions

Term: melilite

Term: Membrane curing

Narrower term..... Curing compounds

Broader term..... Curing

Narrower term..... Curing films and sheets

Used for..... curing membranes

Term: Membrane encapsulated pavement sections

Term: Membrane theory (Shells)

Related term..... Structural analysis

Related term..... Shells (structural forms)

Term: membranes

Use..... Vapor barriers

Term: Mercury

Term: Merwinite

Broader term..... Silicates

Term: Metakaolin

Broader term..... Calcined shale

Broader term..... Natural pozzolans

Broader term..... Supplementary cementing materials (SCM)

Term: Metal coatings

Term: Metal deck forms

Broader term..... Formwork

Related term..... Floors

Related term..... Composite construction (concrete and steel)

Related term..... Bridge decks

Term: Metal fibers

Narrower term..... Steel fibers

Broader term..... Metals

Broader term..... Fibers

Term: Metal oxides

Use..... Oxides

Term: Metal scrap

Related term..... Heavyweight aggregates

Term: Metallurgical engineering

Broader term..... Engineering

Term: Metals

Narrower term..... Trace metals

Narrower term..... Steels

Narrower term..... Metal fibers

Term: Metamorphic rocks

Broader term..... Rocks

Related term..... Igneous rocks

Term: meters

Use..... Measuring instruments

Term: Methacrylates

Related term..... Esters

Term: Methane (CH₄)

Term: Methanol

Broader term..... Alcohols

Term: Methyl ether

Broader term..... Ethers

Term: Methyl ethyl ether

Broader term..... Ethers

Term: Mg(OH)₂

Use..... Magnesium hydroxide (Mg(OH)₂)

Term: MgCl₂

Use..... Magnesium chlorides (MgCl₂)

Term: MgO

Use..... Magnesium oxides (MgO)

Term: MgSO₄

Use..... Magnesium sulfates

Term: Mica

Broader term..... Silicates

Related term..... Igneous rocks

Term: Microanalysis

Broader term..... Chemical analysis

Term: Microbially induced corrosion (MIC)

Broader term..... Corrosion

Used for..... microbially influenced corrosion

Term: microbially influenced corrosion

Use..... Microbially induced corrosion (MIC)

Term: Microconcrete

Term: Microcracking

Broader term..... Cracking

Related term..... Failure mechanisms

Term: Microhardness

Term: Micrometers

Broader term..... Measuring instruments

Term: Microparticles

Related term..... Crystal structure

Related term..... Particle size distribution

Related term..... Microstructure

Term: Microporosity

Broader term..... Porosity

Related term..... Microstructure

Related term..... Cement pastes

Term: microprobe analysis

Use..... Energy-dispersive X ray spectroscopy (EDS)

Term: Microscopy

Related term..... Petrography

Broader term..... Optical chemical analysis

Narrower term..... Microstructure

Narrower term..... Concrete microstructure

Narrower term..... Electron microscopy

Used for..... optical microscopy

Term: microsilica

Use..... Silica fume

Term: Microstructure

Broader term..... Microscopy

Broader term..... Portland cement chemical analysis

Narrower term..... Crystal structure

Narrower term..... Crystal lattices

Narrower term..... CEMHYD3D (Computer program)

Related term..... Microporosity

Related term..... Microparticles

Term: Microwave absorption tests

Broader term..... Nondestructive tests

Term: mid-rise buildings

Use..... Multistory buildings

Term: Mildew

Broader term..... Moisture problems

Term: milling (comminution)

Use..... Comminution

Term: mineral admixtures

See... Supplementary cementing materials (SCM)

Term: Mineral deposits

Related term..... Igneous rocks

Term: Mineral wool

Broader term..... Fibers

Narrower term..... Rock wool

Related term..... Synthetic fibers

Term: Mineralized cements

Broader term..... Cement additives (raw materials)

Term: mineralizers

Use..... Cement additives (raw materials)

Term: Mines (excavations)

Narrower term..... Quarries

Broader term..... Underground structures

Term: Mining engineering

Broader term..... Engineering

Term: minor elements [new]

Term: mix design

Use..... Mix proportioning

Term: mix optimization

Use..... Pervious concrete

Term: Mix proportioning

Related term..... Water cement ratio

Broader term..... Proportioning
Related term..... Cement content tests
Related term..... Mixing time
Related term..... Mixing
Used for..... mix design
Used for..... laboratory trial proportioning
Used for..... Water requirements
Used for..... Concrete mixes
Used for..... Trial mix proportioning

Term: Mix water

Use..... Water

Term: Mixer trucks

Use..... Ready mix trucks

Term: Mixers

Related term..... Ready mix trucks
Related term..... Mixing plants
Related term..... Ready mixed concrete
Related term..... Mixing
Broader term..... Construction equipment
Related term..... Separators
Used for..... Concrete mixers

Term: Mixing

Related term..... Mix proportioning
Narrower term..... Mixing time
Narrower term..... Homogenizing
Narrower term..... Blending
Related term..... Mixers

Term: Mixing plants

Related term..... Mixers
Related term..... Ready mixed concrete
Used for..... ready-mixed concrete plants
Used for..... ready mix plants
Used for..... batch plants

Term: Mixing time

Broader term..... Mixing
Related term..... Mix proportioning

Term: Models

Narrower term..... Mathematical models
Narrower term..... Strut-and-tie models
Related term..... Structures
Related term..... Photoelasticity
Related term..... Scale (ratio)

Term: modified portland cements

Use..... Portland cement type 2

Term: Modular construction

Broader term..... Construction

Term: Modulus of elasticity

Broader term..... Stress strain relationships
Related term..... Flexural strength tests
Broader term..... Mechanical properties
Broader term..... Deformation (Elastic and inelastic)
Broader term..... Elastic properties
Narrower term..... Dynamic modulus of elasticity
Related term..... Tension tests
Related term..... Chord modulus
Related term..... Secant modulus
Related term..... Shear modulus
Related term..... Bending
Related term..... Stiffness
Related term..... Torsion tests
Related term..... Tensile properties
Related term..... Tangent modulus

Related term..... Initial tangent modulus

Used for..... elastic modulus

Used for..... Tensile modulus

Used for..... young's modulus

Term: Modulus of elasticity test (ASTM C 469)

Broader term..... Tests (Hardened concrete)

Related term..... Poisson's ratio

Term: Modulus of rigidity

Use..... Shear modulus

Term: Modulus of rupture in bending

Use..... Flexural strength

Term: Mohr's circle

Related term..... Stresses

Term: Moist curing

Broader term..... Curing

Used for..... wet curing

Term: Moisture

Related term..... Moisture content

Related term..... Drying

Broader term..... Water

Related term..... Humidity

Term: Moisture content

Related term..... Drying

Related term..... Water cement ratio

Related term..... Moisture

Related term..... Water

Related term..... Moisture meters

Used for..... Moisture regain

Used for..... dampness

Term: Moisture content tests

Broader term..... Tests (Hardened concrete)

Term: Moisture meters

Related term..... Moisture content

Broader term..... Measuring instruments

Narrower term..... Psychrometers

Narrower term..... Hygrometers

Term: Moisture problems

Narrower term..... Mildew

Narrower term..... Mold growth

Related term..... Permeability

Related term..... Porosity

Related term..... Moistureproofing

Term: moisture protection

Use..... Moistureproofing

Term: Moisture regain

Use..... Moisture content

Term: Moisture transport

Related term..... Porosity

Narrower term..... Moisture vapor emission

Term: Moisture vapor emission

Broader term..... Moisture transport

Term: Moistureproofing

Narrower term..... Waterproofing

Related term..... Vapor barriers

Related term..... Moisture problems

Used for..... moisture protection

Term: moistureproofing admixtures

Use..... Waterproofing admixtures

Term: moistureproofing agents

Use..... Waterproofing admixtures

Term: Mold growth

Broader term..... Moisture problems

Term: Moldability

Use..... Workability

Term: Molding materials

Related term..... Molding techniques

Related term..... Compaction [concrete]

Related term..... Molds

Term: Molding techniques

Broader term..... Compaction [concrete]

Related term..... Form removal

Related term..... Formwork

Related term..... Molding materials

Related term..... Molds

Term: Molds

Related term..... Molding materials

Related term..... Plastic forms

Related term..... Molding techniques

Term: Moment distribution

Narrower term..... Bending moments

Narrower term..... Structural members

Related term..... Moments

Term: Moments

Related term..... Structural members

Narrower term..... Moments of inertia

Narrower term..... Bending moments

Related term..... Moment distribution

Related term..... Standard deviation

Used for..... flexure

Term: Moments of inertia

Broader term..... Moments

Related term..... Stress analysis

Term: monitoring instruments

Use..... Recording instruments

Term: Monorail railways

Broader term..... Railroads

Broader term..... Light rail transit (LRT)

Related term..... Guideways

Related term..... Rapid transit railways

Term: Monosulfate

Broader term..... Hydration products

Term: Monte carlo method

Broader term..... Numerical analysis

Related term..... Mathematical models

Used for..... bootstrap method

Related term..... Probability theory

Related term..... Stochastic processes

Term: Monticellite

Broader term..... Silicates

Term: Montmorillonite

Broader term..... Clay minerals

Related term..... Illite

Broader term..... Clays

Term: Mortar bar expansion test**Term: Mortar joints**

Narrower term..... Raked joints

Broader term..... Joints

Term: Mortar linings

Related term..... Pipes (tubes)

Related term..... Mortars

Used for..... Linings

Term: Mortar mixers**Term: Mortar-aggregate ratio****Term: Mortars**

Related term..... Stucco
Related term..... Grout
Related term..... Pumped concrete
Related term..... Masonry
Related term..... Retempering
Related term..... Bond (concrete to concrete)
Related term..... Shotcrete
Related term..... Lime cements
Related term..... Cements
Related term..... Concretes
Related term..... Portland cements
Broader term..... Construction materials
Narrower term..... Masonry mortars
Related term..... Tuckpointing
Related term..... Cement lime mortars
Related term..... Refractories
Related term..... Flow table tests
Related term..... Water retentivity
Related term..... Mortar linings
Related term..... Bonding
Related term..... Patching
Used for..... Sand cements

Term: Mossbauer effect

Related term..... Fluorescence

Term: Motels

Broader term..... Public buildings
Broader term..... Residential buildings
Related term..... Commercial buildings

Term: Motor fuels

Broader term..... Fuels

Term: moving loads

Use..... Live loads

Term: MTC

Term: Mud jacking

Broader term..... Jacking
Related term..... Slab on ground construction
Related term..... Pavements
Related term..... Pressure grouting

Term: Mullite

Broader term..... Silicates

Term: Multi-girder bridges

Broader term..... Girder bridges

Term: Multimeters

Term: Multispan bridges

Broader term..... Bridges

Term: Multistory buildings

Broader term..... Buildings
Related term..... High rise buildings
Used for..... mid-rise buildings

Term: Municipal engineering

Broader term..... Engineering
Narrower term..... Airports
Broader term..... Public works
Narrower term..... Sanitary engineering
Narrower term..... Highway engineering
Related term..... Urban planning

Term: municipal wastes

Term: Museums

Broader term..... Public buildings

Term: nahcolite

Term: Naholite

Term: Nailability

Related term..... Insulating concretes

Term: Nails (fasteners)

Broader term..... Fasteners

Narrower term..... Anchors (fasteners)

Term: Nanosensors

Term: Naphthenates

Related term..... Esters

Term: Naphthenic acids

Broader term..... Organic acids

Term: National road test

Use..... AASHO road test

Term: Natural aggregates

Broader term..... Aggregates

Narrower term..... Limestone

Narrower term..... Basalt

Narrower term..... Coral

Narrower term..... Chert

Narrower term..... Quartzites

Narrower term..... Quartz

Narrower term..... Opal

Narrower term..... Marble

Narrower term..... Granite

Narrower term..... Perlite

Narrower term..... Lavas

Narrower term..... Pumice

Narrower term..... Sandstones

Term: Natural cements

Broader term..... Cements

Term: Natural disasters

Term: Natural fibers

Broader term..... Fibers

Narrower term..... Rice husks (silica)

Narrower term..... Bagasse

Narrower term..... Plant fibers

Term: Natural gas

Broader term..... Fossil fuels

Term: Natural pozzolans

Broader term..... Pozzolans

Narrower term..... Metakaolin

Narrower term..... Calcined clay

Narrower term..... Tuff

Narrower term..... Calcined shale

Related term..... Supplementary cementing materials (SCM)

Term: Navigable canals

Broader term..... Canals

Term: neat cement pastes

Use..... Cement pastes

Term: Nekoite

Broader term..... Silicates

Term: Nepheline

Broader term..... Silicates

Term: Neutron activation analysis

Broader term..... Chemical analysis

Term: Nickel

Term: Nitrites

Narrower term..... Sodium nitrite

Narrower term..... Sodium nitrate

Term: Nitrogen oxides (NOx)

Related term..... Air pollution

Broader term..... Oxides

Broader term..... Flue gases

Term: No fines concrete

Broader term..... Concretes
Narrower term..... Pervious concrete
Used for..... popcorn concrete

Term: noise barriers

Use..... Noise reduction

Term: Noise reduction

Related term..... Acoustics
Related term..... Sound transmission
Related term..... Acoustic insulation
Used for..... noise barriers

Term: Nomographs

Broader term..... Numerical analysis

Term: Non rectangular compression zone

Broader term..... Compression

Term: nondestructive testing

Use..... Nondestructive tests

Term: non-destructive testing

Use..... Nondestructive tests

Term: Nondestructive tests

Narrower term..... Impact tests
Narrower term..... Impact echo method
Narrower term..... Pullout tests
Narrower term..... Nuclear gages
Related term..... Quality control
Broader term..... Tests (Hardened concrete)
Broader term..... Tests
Broader term..... Physical tests
Narrower term..... Ultrasonic pulse velocity test (ASTM C597)
Narrower term..... Nuclear density tests
Narrower term..... Half cell potential test
Narrower term..... Sonic tests
Narrower term..... Infrared thermography
Narrower term..... Acoustic impact tests
Narrower term..... Stress wave propagation tests
Narrower term..... X-ray tests
Narrower term..... Acoustic emission tests
Narrower term..... Nuclear magnetic resonance (NMR)
Narrower term..... Microwave absorption tests
Narrower term..... Maturity method test (Fresh concrete, ASTM C 918)
Narrower term..... Break-off test (ASTM C 1150)
Narrower term..... Ground-penetrating radar (GPR)
Narrower term..... Maturity method test (Hardened concrete, ASTM C 1074)
Narrower term..... Resonant frequency tests
Narrower term..... Radiography
Narrower term..... Schmidt rebound hammer test
Related term..... Static tests
Related term..... Mechanical tests
Related term..... Tolerances (Mechanics)
Related term..... Dynamic modulus of elasticity
Related term..... Chemical tests
Related term..... Dynamic tests
Related term..... Ultrasonic tests
Used for..... non-destructive testing
Used for..... nondestructive testing

Term: Nonevaporable water

Use..... Water of hydration

Term: Nonlinear behavior

Term: Nonlinear differential equations

Term: Nonmetallic mineral deposits

Term: Normal consistency tests

Broader term..... Consistency tests

Related term..... Flow table tests

Term: Normal stress

Broader term..... Stresses

Term: normal weight concretes

Use..... Concretes

Term: Northlight shells

Broader term..... Shells (structural forms)

Related term..... Folded plates

Term: No-slump concrete

Related term..... Slump tests

Term: Notch tests

Related term..... Fracture tests

Term: Nozzles

Use..... Shotcrete

Term: Nuclear density tests

Broader term..... Nondestructive tests

Term: Nuclear energy

Term: Nuclear engineering

Broader term..... Engineering

Related term..... Containment

Term: Nuclear gages

Broader term..... Nondestructive tests

Term: Nuclear magnetic resonance (NMR)

Broader term..... Nondestructive tests

Broader term..... Radiography

Broader term..... Chemical analysis

Term: Nuclear power plants

Broader term..... Electric power plants

Related term..... Containment

Term: Nuclear reactor containment

Broader term..... Containment

Term: Nuclear reactor containment - Standards

Term: Nuclear reactors

Related term..... Radiation shielding

Related term..... Containment

Used for..... Atomic reactors

Broader term..... Pressure vessels

Narrower term..... Pressurized water reactors

Used for..... Fission reactors

Term: Nuclear shielding

Use..... Radiation shielding

Term: Nuclear waste

Used for..... radioactive waste

Term: Nucleate boiling

Related term..... Heat transfer

Term: Numerical analysis

Narrower term..... Finite difference theory

Narrower term..... Monte carlo method

Narrower term..... Nomographs

Term: Nylon fibers

Broader term..... Fibers

Broader term..... Synthetic fibers

Term: Obsidian

Broader term..... Igneous rocks

Term: Ocean bottom

Term: Ocean engineering

Broader term..... Engineering

Term: Ocean waves

Related term..... Beach erosion

Related term..... Wave runup

Related term..... Breakwaters

Related term..... Shore protection

Term: Office buildings

Broader term..... Commercial buildings

Broader term..... Buildings

Term: Offshore structures

Broader term..... Structures

Broader term..... Platforms

Narrower term..... Semisubmersible platforms

Narrower term..... Gravity platforms

Term: Ohmmeters

Term: Oil shale

Broader term..... Sedimentary rocks

Broader term..... Shales

Related term..... Portland cement raw materials

Term: Oil well cements

Broader term..... Portland cements

Related term..... Hydraulic cements

Related term..... Retarders

Related term..... Lime cements

Used for..... oilwell cements

Term: Oils

Broader term..... Admixtures

Narrower term..... Linseed oil

Narrower term..... Sulfonated oil

Narrower term..... Tall oil

Term: oilwell cements

Use..... Oil well cements

Term: Okenite

Broader term..... Silicates

Term: Oleates

Broader term..... Esters

Term: Oleates organic sulfates

Related term..... Esters

Term: On site tests

Use..... Field tests

Term: One story buildings

Broader term..... Buildings

Term: One way slabs

Broader term..... Slabs

Term: Opal

Broader term..... Natural aggregates

Broader term..... Silicon dioxide

Broader term..... Reactive aggregates

Broader term..... Silica minerals

Term: Opaline shale

Broader term..... Shales

Broader term..... Pozzolans

Term: Openings

Related term..... Cavities

Related term..... Ducts

Related term..... Fenestration

Related term..... Web openings

Related term..... Slots

Related term..... Windows

Related term..... Ports (openings)

Related term..... Vents

Used for..... holes

Term: Optical chemical analysis

Broader term..... Chemical tests

Broader term..... Chemical analysis

Narrower term..... Scanning electron microscopy (SEM)

Narrower term..... Microscopy

Term: Optical measurement

Narrower term..... Flame photometry

Narrower term..... Colorimetry

Related term..... Emissivity

Term: Optical measuring instruments

Broader term..... Measuring instruments

Related term..... Colorimetry

Term: optical microscopy

Use..... Microscopy

Term: Optical properties

Narrower term..... Photoelasticity

Narrower term..... Refractivity

Term: Optimization

Related term..... Quality control

Term: Organic acids

Broader term..... Acids

Narrower term..... fatty acids

Related term..... Esters

Narrower term..... Hydroxy acids

Narrower term..... Sulfonic acids

Narrower term..... Naphthenic acids

Narrower term..... Arsenic organic acids

Narrower term..... Maleic acid

Narrower term..... Benzoic acids

Narrower term..... Butyric acid

Narrower term..... Benzenesulfonic acids

Narrower term..... carboxylic acids

Narrower term..... Aliphatic acids

Narrower term..... Salicylic acids

Narrower term..... Stearic acid

Narrower term..... Dibasic organic acids

Related term..... Aromatic compounds

Related term..... Aliphatic compounds

Term: Organic coatings

Broader term..... Coatings

Related term..... Protective coatings

Related term..... Paints

Related term..... Sprayed coatings

Term: Organic compounds

Narrower term..... Alcohols

Narrower term..... Esters

Narrower term..... Hydrocarbons

Narrower term..... fatty acids

Related term..... Infrared spectroscopy

Narrower term..... Ethers

Narrower term..... Ketones

Narrower term..... Cellulosic resins

Narrower term..... Anhydrides

Narrower term..... Phenolic compounds

Narrower term..... Aldehydes

Narrower term..... Amides

Narrower term..... Amines

Term: Organic impurities

Broader term..... Impurities

Term: Organic salts

Related term..... Esters

Term: Organic sulfates

Term: Ornamental concrete

Use..... Concrete products

Term: Ornaments

Use..... Garden accessories

Term: Oscilloscopes

Term: Osmosis

Broader term..... Separation

Related term..... Osmotic pressure

Term: Osmotic pressure

Broader term..... Pressure

Related term..... Osmosis

Term: Outdoor exposure

Term: Overlays

Broader term..... Pavements

Related term..... Finishes

Related term..... Grout layer

Related term..... Repairs

Related term..... Mechanical roughening

Related term..... Acid treatment (concrete)

Used for..... bonded overlays

Used for..... whitetopping

Used for..... topping

Used for..... thin-bonded overlays

Used for..... resurfacing

Term: Overpasses

Broader term..... Bridges

Related term..... Viaducts

Related term..... Underpasses

Term: Oxidation

Related term..... Galvanic corrosion

Related term..... Chemical attack

Related term..... Stress corrosion resistance

Related term..... Corrosion

Related term..... Degradation

Related term..... Passivity

Term: Oxides

Narrower term..... Sulfur oxides

Narrower term..... Magnesium oxides (MgO)

Narrower term..... Carbon dioxide (CO₂)

Narrower term..... Nitrogen oxides (NO_x)

Narrower term..... Silicon dioxide

Narrower term..... Calcium oxides (CaO)

Narrower term..... Hydrogen peroxide

Narrower term..... Chromium oxides

Narrower term..... Aluminum oxide

Narrower term..... Sodium oxides

Narrower term..... Potassium oxides

Narrower term..... Lithium oxides

Narrower term..... Carbon monoxide

Narrower term..... Iron oxides

Used for..... Metal oxides

Term: Oxygen enrichment

Term: Ozone (O₃)

Term: Pachometers

Term: pack set

Use..... Warehouse set

Term: Packaged concrete

Term: Paints

Broader term..... Coatings

Narrower term..... Pigments

Narrower term..... Cement based paints

Related term..... Sealers

Related term..... Colors (materials)

Related term..... Protective coatings

Related term..... Construction materials

Related term..... Sprayed coatings

Related term..... Organic coatings

Term: Palmitates

Related term..... Esters

Term: Panels

Narrower term..... Concrete panels

Related term..... Roofs

Related term..... Walls

Broader term..... Building components

Related term..... Acoustic insulation

Term: Paper chromatography

Broader term..... Chromatography

Term: Parametric studies

Term: Parking facilities

Related term..... Slab on ground construction

Term: Parking garages

Broader term..... Buildings

Used for..... parking structures

Term: parking structures

Use..... Parking garages

Term: Partial prestressing

Broader term..... Prestressing

Term: Particle accelerators

Narrower term..... Linear accelerators

Term: Particle size determination

Narrower term..... Blaine air permeability test

Narrower term..... Wagner method

Term: Particle size distribution

Related term..... Sieve analysis

Related term..... Fineness

Related term..... Microparticles

Related term..... Size screening

Used for..... granulometry

Used for..... Fineness modulus

Term: particle size reduction (crushing)

Use..... Comminution

Term: particulate emissions

Use..... Particulates

Term: particulate matter

Use..... Particulates

Term: Particulates

Broader term..... Air pollution

Used for..... particulate matter

Used for..... particulate emissions

Term: Parting agents

Used for..... Bond breaking agents

Used for..... Form oils

Term: Partition walls

Broader term..... Walls

Term: Passive solar energy

Broader term..... Solar energy

Related term..... Trombe wall

Related term..... Earth sheltered structures

Term: Passivity

Related term..... Electrolysis

Related term..... Oxidation

Related term..... Corrosion

Related term..... Corrosion resistance

Term: Pastes

Related term..... Portland cements

Related term..... Cement pastes

Related term..... Hardened paste structure

Term: Pat tests

Broader term..... Portland cement physical tests

Related term..... Soundness

Term: Patching

Related term..... Repairs
Related term..... Maintenance
Related term..... Mortars
Related term..... Tuckpointing
Related term..... Dry pack mortar

Term: Patios

Broader term..... Concrete products

Term: pattern cracking

Use..... Crazeing

Use..... Map cracking

Term: Pattern stamping

Broader term..... Decorative concrete

Term: patterns

Use..... Architectural masonry

Term: Pavement blow-ups

Term: pavement deicing products (PDP)

Use..... Deicers

Term: pavement noise

Use..... Road noise

Term: Pavement profile scanners (PPS)

Term: pavement profilers

Use..... Profilometers

Term: Pavement pumping

Related term..... Pavements

Related term..... Subbases

Term: pavement roughness

Use..... Pavement texture

Term: Pavement smoothness

Broader term..... Surface properties

Broader term..... Surface roughness

Related term..... Road noise

Related term..... Pavement texture

Term: Pavement texture

Broader term..... Texture

Narrower term..... Carpet drag finish

Related term..... Pavement smoothness

Used for..... pavement roughness

Narrower term..... Tined finish

Narrower term..... Shot blasting

Term: Pavements

Narrower term..... Aprons

Narrower term..... Test roads

Narrower term..... Block pavements

Narrower term..... Sidewalks

Narrower term..... Subgrades

Narrower term..... Base courses

Narrower term..... Expressways

Narrower term..... Runways

Narrower term..... Rigid pavements

Narrower term..... Taxiways

Narrower term..... Streets

Narrower term..... Subbases

Narrower term..... Driveways

Narrower term..... Overlays

Narrower term..... Concrete pavements

Narrower term..... Roads

Narrower term..... Highways

Related term..... Lean concretes

Related term..... Pavement pumping

Related term..... Plate load tests

Related term..... Soil cement

Related term..... Bridge decks

Related term..... Light reflectance
Related term..... Paving
Related term..... Field tests
Related term..... Skid resistance
Related term..... Dowels
Related term..... Profilometers
Related term..... Jacking
Related term..... Coatings
Related term..... Econocrete
Related term..... Mud jacking

Term: pavers

Use..... Block pavements

Term: Paving

Narrower term..... Backslope paving
Related term..... Concrete pavements
Related term..... Pavements
Narrower term..... Fast-track concrete paving
Narrower term..... Paving equipment
Related term..... Slipform construction

Term: Paving blocks

Related term..... Block pavements
Broader term..... Blocks
Broader term..... Concrete blocks
Narrower term..... Interlocking blocks

Term: Paving equipment

Broader term..... Construction equipment
Broader term..... Paving

Term: pc clinker

Use..... Grinding (Comminution)
Use..... Portland cement clinker

Term: PCBs

Used for..... Polychlorinated biphenyls

Term: pebble milling

Use..... Grinding (Comminution)

Term: Pebble mills

Broader term..... Grinding mills
Broader term..... Secondary crushers

Term: Pegmatite

Broader term..... Igneous rocks

Term: Pelleting

Broader term..... Compaction [concrete]
Related term..... Agglomeration
Related term..... briquetting
Related term..... Cement storage
Related term..... Pellets
Used for..... Pelletizing

Term: Pelletizing

Use..... Pelleting

Term: Pellets

Related term..... Pelleting

Term: Penetration

Broader term..... Water

Term: Penetration resistance test (ASTM C 403)

Broader term..... Penetration tests
Used for..... Time of setting tests
Used for..... vicat apparatus

Term: Penetration resistance test (BS EN 196-3)

Broader term..... Penetration tests
Used for..... vicat apparatus
Used for..... Time of setting tests

Term: Penetration resistance tests

Term: Penetration tests

Related term..... Consistency tests
Related term..... Setting (hardening)
Narrower term..... Penetration resistance test (ASTM C 403)
Narrower term..... Penetration resistance test (BS EN 196-3)
Used for..... Windsor probe test

Term: Penstocks

Broader term..... Hydroelectric power generation
Broader term..... Hydraulic structures
Related term..... Dams

Term: Percolation

Term: Performance specifications

Broader term..... Specifications

Term: Performance tests

Broader term..... Tests
Related term..... Inspection
Related term..... Specifications
Related term..... Standards
Related term..... Acceptability

Term: Performance-based standards

Term: periclase

Use..... Magnesium oxides (MgO)

Term: Perlite

Broader term..... Igneous rocks
Broader term..... Natural aggregates
Related term..... Lightweight aggregates
Related term..... Insulation
Related term..... Pumice
Related term..... Vermiculite

Term: Permanent forms

Broader term..... Formwork
Narrower term..... Insulating concrete forms (ICF)

Term: Permeability

Related term..... Leaching
Related term..... Porosity
Broader term..... Physical properties
Related term..... Surface properties
Related term..... Moisture problems
Related term..... Capillarity
Related term..... Darcys law
Related term..... Diffusivity
Related term..... Density (mass/volume)
Used for..... impermeability
Used for..... gas permeability
Used for..... watertightness

Term: Permeability reducing admixtures

Broader term..... Admixtures

Term: Permeability tests

Broader term..... Tests (Hardened concrete)

Term: Pervious concrete

Broader term..... No fines concrete
Related term..... Gap graded aggregate
Used for..... enhanced porosity concrete
Used for..... mix optimization
Used for..... porous concrete

Term: petcoke

Use..... Petroleum coke

Term: Petrographic analysis (ASTM C 856)

Broader term..... Petrography
Broader term..... Tests (Hardened concrete)

Term: petrographic examination

Use..... Petrography

Term: Petrographic examination test (ASTM C 295)

Broader term..... Durability tests
Used for..... Alkali carbonate reactivity test
Term: Petrography
Related term..... Rocks
Used for..... petrographic examination
Broader term..... Geology
Narrower term..... Petrographic analysis (ASTM C 856)
Related term..... Microscopy
Term: Petroleum coke
Broader term..... Fossil fuels
Used for..... petcoke
Term: pH
Narrower term..... acidity
Narrower term..... alkalinity
Related term..... Carbonation
Related term..... Corrosion
Used for..... hydrogen ion concentration
Term: pH tests
Broader term..... Tests (Hardened concrete)
Term: Phase composition
Broader term..... Cement compound composition
Term: Phase diagrams
Related term..... Thermal analysis
Term: phase equilibrium [new]
Term: Phase meters
Term: Phase transformations
Related term..... Crystallization
Term: Phase transitions
Broader term..... Cement compound composition
Term: Phenolic compounds
Broader term..... Organic compounds
Narrower term..... Phenolic resins
Term: Phenolic resins
Broader term..... Elastomers
Broader term..... Plastics
Related term..... Furan resins
Broader term..... Phenolic compounds
Term: Phenols
Term: Phenyl ether
Broader term..... Ethers
Term: Phosphate cements
Broader term..... Cements
Narrower term..... Magnesium phosphate cements
Term: Phosphogypsum
Term: Phosphoric acid
Term: Phosphorous inorganic compounds
Narrower term..... Calcium phosphates
Term: Phosphorus
Term: Photoelasticity
Broader term..... Elastic properties
Broader term..... Mechanical properties
Related term..... Birefringence
Broader term..... Optical properties
Related term..... Models
Related term..... Stress analysis
Related term..... Elastic analysis
Term: Photometry
Narrower term..... Flame photometry
Related term..... Chemical analysis
Term: Phthalocyanines
Broader term..... Colors (materials)
Related term..... Pigments

Related term..... Dyes

Term: Physical properties

Broader term..... Properties

Narrower term..... Mechanical properties

Narrower term..... Permeability

Narrower term..... Absorption

Narrower term..... Chemical analysis

Narrower term..... Porosity

Narrower term..... Colors (materials)

Narrower term..... Diffusivity

Narrower term..... Capillarity

Narrower term..... Thermodynamic properties

Narrower term..... Rheological properties

Narrower term..... Surface properties

Narrower term..... Electrical properties

Related term..... Portland cement physical properties

Used for..... Constitutive relations of concrete

Narrower term..... Acoustic properties

Narrower term..... Density (mass/volume)

Narrower term..... Damping capacity

Narrower term..... Solubility

Narrower term..... Physical tests

Narrower term..... Hysteresis

Narrower term..... Specific heat

Narrower term..... Heat of solution

Narrower term..... Conductivity

Narrower term..... Reflectivity

Narrower term..... Internal friction

Term: Physical tests

Broader term..... Physical properties

Broader term..... Tests

Narrower term..... Static tests

Narrower term..... Mechanical tests

Narrower term..... Ultrasonic tests

Narrower term..... Sampling concrete

Narrower term..... Quality control

Narrower term..... Radiography

Narrower term..... Chemical tests

Narrower term..... Nondestructive tests

Related term..... Test equipment

Narrower term..... Dynamic tests

Narrower term..... Low temperature tests

Narrower term..... Thermal measuring instruments

Narrower term..... Sonic tests

Narrower term..... Portland cement physical tests

Narrower term..... Wear tests

Narrower term..... High temperature tests

Term: Pierced walls

Broader term..... Walls

Broader term..... Structural walls

Term: Piers

Broader term..... Structural members

Broader term..... Substructures

Broader term..... Supports

Related term..... Columns

Broader term..... Hydraulic structures

Narrower term..... Bridge piers

Term: Pigments

Narrower term..... Carbon black

Related term..... Colors (materials)

Related term..... Cement additives (clinker)

Related term..... Colored concrete

Broader term..... Paints
Related term..... Iron oxides
Related term..... Dyes
Related term..... Chromium oxides
Related term..... Phthalocyanines
Related term..... Colored portland cements

Term: Pilasters

Related term..... Walls
Related term..... Columns

Term: Pile caps

Broader term..... Piles

Term: Pile drivers

Use..... Pile driving

Term: Pile driving

Related term..... Piles
Used for..... Pile drivers

Term: Pile foundations

Narrower term..... Piles
Related term..... Caissons
Broader term..... Deep foundations

Term: Piles

Narrower term..... Concrete piles
Related term..... Structural members
See also... Shoring
See also... Underpinning
Broader term..... Supports
Broader term..... Substructures
Broader term..... Pile foundations
Narrower term..... Sheet piles
Narrower term..... Augered piles
Narrower term..... Friction piles
Narrower term..... Pile caps
Related term..... Pile driving
Used for..... piling

Term: piling

Use..... Piles

Term: Pipe columns

Broader term..... Columns

Term: Pipe joints

Broader term..... Joints
Related term..... Pipes (tubes)

Term: Pipe linings

Related term..... Pipes (tubes)
Used for..... Linings

Term: Pipelines

Broader term..... Hydraulic structures
Narrower term..... Water pipelines

Term: Pipes (tubes)

Narrower term..... Concrete pipes
Related term..... Ducts
Related term..... Bedding
Narrower term..... Water pipes
Narrower term..... Plastic pipes
Narrower term..... Coated pipes
Narrower term..... Irrigation pipes
Narrower term..... Sewer pipes
Narrower term..... Drain tiles
Narrower term..... Exhaust pipes
Related term..... Mortar linings
Related term..... Pipe linings
Related term..... Pipe joints
Related term..... Siphons

Related term..... Tile drains

Used for..... conduits

Term: Pitting

Related term..... Erosion

Related term..... Corrosion

Related term..... Corrosion resistance

Related term..... Degradation

Related term..... Corrosion tests

Term: Placing

Related term..... Shotcrete

Related term..... Casting

Related term..... Workability

Broader term..... Compaction [concrete]

Broader term..... Concrete construction

Narrower term..... Tremie concrete

Narrower term..... Consolidation

Related term..... Vibratory compacting

Related term..... Chutes

Related term..... Tamping

Related term..... Separation

Related term..... Plastering

Related term..... Underwater construction

Related term..... Pumped concrete

Related term..... Vibration

Related term..... Conveying

Term: Plain concrete

Used for..... Unreinforced concrete

Term: Planetary coolers

Broader term..... Clinker coolers

Used for..... satellite coolers

Term: Planning

Narrower term..... Urban planning

Related term..... Control charts

Term: Plant fibers

Broader term..... Natural fibers

Related term..... Bamboo

Term: plant modernization

Use..... Cement plant equipment upgrades

Term: plant updating

Use..... Cement plant equipment upgrades

Term: plant upgrading

Use..... Cement plant equipment upgrades

Term: Plaster

Broader term..... Construction materials

Related term..... Portland cements

Narrower term..... Portland cement plaster

Related term..... Lime cements

Related term..... Plastering

Term: plaster of paris

Use..... Hemihydrate

Term: Plastering

Related term..... Lath

Related term..... Placing

Related term..... Plaster

Term: Plastic analysis

Broader term..... Structural analysis

Related term..... Finite element method

Narrower term..... Limit design method

Narrower term..... Strength design

Narrower term..... Yield line method

Related term..... Plastic design

Related term..... Statically indeterminate structures

Related term..... Energy methods
Related term..... Strain energy methods
Related term..... Equilibrium methods
Related term..... Plastic theory
Related term..... Static structural analysis

Term: Plastic cements

Broader term..... Hydraulic cements
Narrower term..... Stucco
Narrower term..... Portland cement plaster

Term: plastic concretes

Use..... Polymer concretes
Use..... Fresh concretes

Term: Plastic deformation

Related term..... Creep
Related term..... Ductility
Related term..... Creep tests

Term: Plastic design

Related term..... Plastic analysis

Term: Plastic forms

Broader term..... Formwork
Related term..... Molds

Term: plastic hinges

Use..... Hinges

Term: Plastic limit

Broader term..... Mechanical properties
Related term..... Soils

Term: Plastic pipes

Broader term..... Pipes (tubes)

Term: Plastic shrinkage

Narrower term..... Plastic shrinkage cracking
Related term..... Drying shrinkage
Broader term..... Shrinkage

Term: Plastic shrinkage cracking

Broader term..... Surface defects
Broader term..... Cracking
Broader term..... Plastic shrinkage

Term: Plastic theory

Related term..... Plastic analysis

Term: Plasticity

Broader term..... Soils
Related term..... Extensibility

Term: Plasticity index

Related term..... Soils

Term: Plasticity tests

Broader term..... Tests
Broader term..... Mechanical tests
Related term..... Dynamic tests

Term: Plasticizers

Narrower term..... Superplasticizers
Broader term..... Agents
Broader term..... Admixtures
Related term..... Surfactants
Related term..... Air entraining admixtures
Related term..... Dispersants
Related term..... Water reducing admixtures
Related term..... Coatings
Related term..... Foaming agents
Related term..... Waterproofing admixtures
Related term..... Wetting agents

Term: Plastics

Narrower term..... Latex
Narrower term..... Epoxy resins

Narrower term..... Cellulosic resins

Narrower term..... Polyester resins

Narrower term..... Polyether resins

Narrower term..... Phenolic resins

Narrower term..... Furan resins

Narrower term..... Elastomers

Narrower term..... Acrylic resins

Related term..... Structural plastics

Related term..... Silicone resins

Related term..... Polymers

Related term..... Resins

Related term..... Vinyl resins

Related term..... Polystyrene

Related term..... Polyvinyl chloride (PVC)

Related term..... Polyvinyl acetate

Related term..... Polyurethane resins

Term: Plate girders

Broader term..... Girders

Broader term..... Plates (structural members)

Term: Plate load tests

Related term..... Pavements

Related term..... Field tests

Broader term..... Tests

Related term..... Bearing capacity

Term: plates

Use..... Flat plates

Term: Plates (structural members)

Broader term..... Structural members

Narrower term..... Flat plates

Narrower term..... Plate girders

Related term..... Slabs

Related term..... Folded plates

Term: Platforms

Narrower term..... Semisubmersible platforms

Narrower term..... Gravity platforms

Narrower term..... Offshore structures

Term: Playgrounds

Broader term..... Recreational facilities

Term: Plenum chambers

Related term..... Intake systems

Related term..... Exhaust systems

Related term..... Ducts

Term: Plumes

Broader term..... Flue gases

Related term..... Chimneys

Narrower term..... Detached plumes

Term: Pneumatic conveying

Broader term..... Conveying

Used for..... Air slides

Narrower term..... Fluidizing

Term: Pneumatic conveyors

Broader term..... Conveyors

Narrower term..... Fluidizing

Related term..... Dust collectors

Term: Pneumatically placed mortars

Use..... Shotcrete

Term: Poisson's ratio

Broader term..... Deformation (Elastic and inelastic)

Broader term..... Mechanical properties

Related term..... Tension tests

Related term..... Compressive strength tests

Related term..... Strains

Related term..... Modulus of elasticity test (ASTM C 469)

Term: polarization resistance

Term: Polarographic analysis

Broader term..... Chemical tests

Broader term..... Chemical analysis

Term: Poles (supports)

Broader term..... Concrete products

Used for..... light poles

Term: Polished sections

Related term..... Thin sections

Term: pollutants

Use..... Pollution

Term: Pollution

Narrower term..... Air pollution

Related term..... Waste materials

Related term..... Sewage treatment

Narrower term..... Water pollution

Related term..... Environmental engineering

Related term..... Toxicology

Used for..... pollutants

Term: Polyacrylates

Broader term..... Elastomers

Term: Polyamide resins

Related term..... Elastomers

Term: Polybasic acid esters

Related term..... Esters

Term: Polybutadiene

Broader term..... Elastomers

Related term..... Latex

Term: Polychlorinated biphenyls

Use..... PCBs

Term: Polychlorinated dibenzofurans (PCDF)

Term: Polychlorinated dibenzo-p-dioxins (PCDD)

Term: Polycyclic aromatic hydrocarbons (PAHs)

Term: Polyester resins

Broader term..... Plastics

Related term..... Polyurethane resins

Term: polyesters

Use..... Esters

Term: Polyether resins

Broader term..... Plastics

Broader term..... Resins

Narrower term..... Epoxy resins

Related term..... Elastomers

Related term..... Polyurethane resins

Term: Polyethers

Broader term..... Ethers

Term: Polyethylene

Term: Polyisoprene

Broader term..... Elastomers

Related term..... Latex

Term: Polymer coatings

Term: Polymer concretes

Broader term..... Concretes

Narrower term..... Polymer portland cement concretes

Used for..... plastic concretes

Term: polymer impregnation

Use..... Polymerization

Term: Polymer portland cement concretes

Broader term..... Concretes

Related term..... Admixtures

Broader term..... Polymer concretes

Used for..... Irradiated impregnated polymer concrete

Term: Polymer-impregnated cement

Term: Polymerization

Used for..... polymer impregnation

Term: Polymers

Related term..... Resins

Related term..... Plastics

Related term..... Cellulosic resins

Related term..... Elastomers

Term: Polyolefines

Broader term..... Elastomers

Term: Polyoxypropylene

Broader term..... Elastomers

Term: Polypropylene fibers

Broader term..... Fibers

Related term..... Fiber reinforced concretes

Term: Polystyrene

Broader term..... Elastomers

Related term..... Plastics

Broader term..... Vinyl resins

Term: Polystyrene beads

Broader term..... Synthetic aggregates

Broader term..... Lightweight aggregates

Term: Polyurethane resins

Related term..... Elastomers

Related term..... Polyester resins

Related term..... Plastics

Related term..... Polyether resins

Used for..... Isocyanate resins

Term: Polyvinyl acetate

Broader term..... Latex

Related term..... Plastics

Broader term..... Vinyl resins

Term: Polyvinyl chloride (PVC)

Broader term..... Latex

Related term..... Plastics

Broader term..... Vinyl resins

Term: Polyvinylidene chloride (PVDC)

Broader term..... Vinyl resins

Term: Pontoon bridges

Broader term..... Bridges

Related term..... Floating bridges

Related term..... Foot bridges

Term: Pool decks

Term: popcorn concrete

Use..... No fines concrete

Term: Popouts

Broader term..... Surface defects

Term: Pore pressure

Use..... Vapor pressure

Term: Pore solution

Term: Pore structure

Term: Pore water pressure

Use..... Hydraulic pressure (freezing)

Term: Pores

Use..... Porosity

Term: Porosity

Broader term..... Physical properties

Narrower term..... Microporosity

Related term..... Specific surface

Related term..... Moisture problems

Related term..... Density (mass/volume)

Related term..... Capillarity
Related term..... Moisture transport
Related term..... Voids
Related term..... Permeability
Used for..... Pores

Term: Porous aggregates

Term: porous concrete

Use..... Pervious concrete

Term: Porous pavements

Term: Porphyry

Broader term..... Igneous rocks

Term: portal frames

Use..... Rigid frames

Term: portland blast furnace slag cements

Use..... Portland slag cements

Term: portland cement

Use..... Portland cements

Term: Portland cement chemical analysis

Broader term..... Chemical analysis

Narrower term..... Microstructure

Term: Portland cement clinker

Related term..... Portland cements

Related term..... Grinding (Comminution)

Used for..... cement clinkers

Broader term..... Clinker

Related term..... Stockpiling

Related term..... Crystallization

Used for..... pc clinker

Term: Portland cement clinker cooling

Broader term..... Cement manufacturing

Related term..... Glass content

Term: Portland cement compound composition

Broader term..... Cement compound composition

Broader term..... Calcium silicates

Related term..... Alkalies

Related term..... Calcium aluminoferrites

Related term..... Alite

Related term..... Tricalcium aluminates

Related term..... Tricalcium silicates (C3S)

Narrower term..... Portland cement compound composition + minor oxides

Narrower term..... Alkalies in portland cement

Narrower term..... Portland cement compound composition + MgO

Related term..... Calcium aluminates

Related term..... Belite

Related term..... Calcium ferrite hydrates

Related term..... C2F

Related term..... Calcium ferrites

Used for..... Dahls method portland cement composition

Used for..... bogue calculation

Used for..... system C2S, C3S, C3A, C4AF

Term: Portland cement compound composition + MgO

Broader term..... Portland cement compound composition

Related term..... Magnesium oxides (MgO)

Term: Portland cement compound composition + minor oxides

Broader term..... Portland cement compound composition

Term: portland cement concrete pavements (PCCP)

Use..... Concrete pavements

Term: Portland cement kiln reactions

Broader term..... Cement manufacturing

Related term..... Portland cement raw materials

Broader term..... Kilns

Related term..... Fusion (melting)

Term: Portland cement physical properties

Broader term..... Properties
Narrower term..... Specific surface
Narrower term..... Setting (hardening)
Narrower term..... Fineness
Narrower term..... Heat of hydration
Narrower term..... False set
Narrower term..... Soundness
Related term..... Physical properties

Term: Portland cement physical tests

Broader term..... Physical tests
Broader term..... Tests
Narrower term..... Heat of hydration
Narrower term..... Autoclave tests
Narrower term..... Pat tests
Narrower term..... Blaine air permeability test

Term: Portland cement plaster

Broader term..... Plaster
Narrower term..... Stucco
Broader term..... Plastic cements

Term: Portland cement raw materials

Broader term..... Raw materials
Broader term..... Portland cements
Narrower term..... Cement additives (raw materials)
Narrower term..... Cement additives (clinker)
Related term..... Limestone
Related term..... Sludge
Related term..... Slags
Related term..... Slurries
Related term..... Sea shells
Related term..... Chemical analysis
Broader term..... Cement manufacturing
Related term..... Burnability
Related term..... Oil shale
Related term..... Portland cement kiln reactions
Used for..... raw mix
Used for..... Raw feed
Used for..... Kiln feed

Term: Portland cement type 1

Broader term..... Portland cements

Term: Portland cement type 2

Broader term..... Portland cements
Used for..... modified portland cements
Used for..... type 2 cements
Used for..... type II cements

Term: portland cement type 3

Use..... High early strength cements

Term: portland cement type 4

Use..... Low heat cements

Term: portland cement type 5

Use..... Sulfate resistant cements

Term: portland cement type V

Use..... Sulfate resistant cements

Term: Portland cements

Broader term..... Hydraulic cements
Narrower term..... High early strength cements
Narrower term..... Cement pastes
Narrower term..... White portland cements
Narrower term..... Portland cement type 2
Narrower term..... High alkali cements
Broader term..... Cements
Narrower term..... Portland pozzolan cements

Narrower term..... Oil well cements
Narrower term..... Soil cement
Narrower term..... Masonry cements
Narrower term..... Low heat cements
Narrower term..... Expansive cements
Narrower term..... Portland cement raw materials
Narrower term..... Portland slag cements
Narrower term..... Portland cement type 1
Narrower term..... Air entraining cements
Narrower term..... Colored portland cements
Narrower term..... Sulfate resistant cements
Related term..... Cement manufacturing
Related term..... Stucco
Related term..... Concretes
Related term..... Portland cement clinker
Related term..... Pastes
Related term..... Pozzolans
Related term..... Plaster
Related term..... Mortars
See also... Cement types
Used for..... portland cement
Term: Portland pozzolan cements
Broader term..... Portland cements
Related term..... Blended cements
Related term..... Pozzolan cements
Related term..... Pozzolans
Related term..... Low heat cements
Term: Portland slag cements
Broader term..... Slag cements
Broader term..... Portland cements
Related term..... Blended cements
Used for..... portland blast furnace slag cements
Term: Portland-composite cements
Term: portlandite
Use..... Calcium hydroxides (CH)
Term: Portland-limestone cements
Term: Ports
Use..... Harbors
Term: Ports (openings)
Related term..... Ducts
Related term..... Exhaust systems
Related term..... Cavities
Related term..... Openings
Related term..... Vents
Related term..... Windows
Term: Post tensioning
Broader term..... Prestressing
Related term..... Precast concrete
Related term..... Circular prestressing
Related term..... Prestressed concrete
Term: potable water
Use..... Drinking water
Term: Potassium
Term: Potassium chlorides
Broader term..... Chlorides
Term: Potassium hydroxides
Broader term..... Hydroxides
Related term..... Potassium oxides
Broader term..... Potassium inorganic compounds
Term: Potassium inorganic compounds
Narrower term..... Potassium hydroxides
Narrower term..... Potassium oxides

Term: Potassium oxides

Broader term..... Oxides

Broader term..... Alkalies

Broader term..... Potassium inorganic compounds

Related term..... Potassium hydroxides

Term: Potassium sulfates (K₂SO₄)

Broader term..... Sulfates

Used for..... arcanite

Used for..... alkali sulfates

Term: Potentiometers

Broader term..... Measuring instruments

Term: Potentiometric analysis

Related term..... Chemical analysis

Term: Powder actuated fasteners

Broader term..... Fasteners

Narrower term..... Anchors (fasteners)

Related term..... Studs

Term: Pozzolan cements

Broader term..... Hydraulic cements

Broader term..... Cements

Related term..... Portland pozzolan cements

Related term..... Fly ash

Related term..... Pozzolans

Used for..... Fly ash cements

Term: Pozzolanicity tests (BS EN 196-5)

Term: Pozzolans

Narrower term..... Diatomaceous earth

Narrower term..... Silica fume

Narrower term..... Fly ash

Narrower term..... Shales

Narrower term..... Opaline shale

Narrower term..... Slags

Narrower term..... Supplementary cementing materials (SCM)

Related term..... Hydraulic cements

Related term..... Admixtures

Related term..... Mass concrete

Related term..... Portland cements

Related term..... Pozzolan cements

Narrower term..... Natural pozzolans

Narrower term..... Tuff

Related term..... Portland pozzolan cements

Used for..... cementitious materials

Term: precalcination

Use..... Precalciners

Term: Precalciners

Broader term..... Waste heat utilization

Broader term..... Preheaters

Broader term..... Pyroprocessing

Used for..... precalcination

Used for..... calciners

Used for..... flash furnaces

Used for..... precalcining

Used for..... calcinators

Term: precalcining

Use..... Precalciners

Term: Precast concrete

Related term..... Vacuum treated concrete

Related term..... Concrete construction

Related term..... Post tensioning

Related term..... Lightweight concretes

Related term..... Casting

Related term..... Architectural concrete

Broader term..... Concretes
Related term..... Prefabrication
Related term..... Concrete products
Related term..... Pretensioning
Used for..... Precast concrete columns
Used for..... precast concrete beams
Used for..... Precast concrete panels
Used for..... Precast concrete piles
Term: precast concrete beams
Use..... Precast concrete
Use..... Beams
Term: Precast concrete columns
Use..... Precast concrete
Use..... Columns
Term: Precast concrete panels
Use..... Precast concrete
Use..... Concrete panels
Term: Precast concrete piles
Use..... Precast concrete
Use..... Concrete piles
Term: Precast concrete slabs
Term: Precasting plants
Term: Precipitation (chemistry)
Broader term..... Separation
Related term..... Crystallization
Term: Precipitators
Use..... Electrostatic precipitators
Term: Precooling
Use..... Cooling
Term: Predictions
Related term..... Confidence limits
Related term..... Control charts
Term: Prefabricated buildings
Use..... Buildings
Term: Prefabrication
Broader term..... Concrete construction
Related term..... Precast concrete
Related term..... Construction
Related term..... Concrete panels
Used for..... Industrialized buildings
Term: Preheaters
Broader term..... Pyroprocessing
Broader term..... Cement plant equipment
Broader term..... Cement plants
Narrower term..... Fluidized bed processors
Narrower term..... Precalciners
Narrower term..... Suspension preheaters
Narrower term..... Grate preheaters
Related term..... Fluorides
Term: premature distress
Use..... Deterioration
Term: Prepacked concrete
Use..... Preplaced aggregate concrete
Term: Preplaced aggregate concrete
Broader term..... Concretes
Related term..... Mass concrete
Related term..... Underwater construction
Related term..... Grouting
Used for..... Prepacked concrete
Term: preservation
Use..... Maintenance
Term: Pressure

Narrower term..... Vapor pressure
Related term..... Environments
Related term..... Earth pressure
Related term..... Impact
Related term..... Loads (forces)
Related term..... Grouting
Narrower term..... Lateral pressure
Narrower term..... Osmotic pressure
Narrower term..... Hydrostatic pressure
Narrower term..... Uplift pressure
Used for..... form pressure
Term: Pressure cells
Use..... Load cells
Term: Pressure filters
Broader term..... Separators
Term: Pressure gages
Broader term..... Measuring instruments
Related term..... Load cells
Term: Pressure grouting
Related term..... Mud jacking
Broader term..... Grouting
Term: Pressure method test (ASTM C 231)
Broader term..... Air content tests (Fresh concrete)
Term: Pressure vessels
Narrower term..... Nuclear reactors
Narrower term..... Autoclaves
Related term..... Tanks (Containers)
Term: Pressurized water reactors
Broader term..... Nuclear reactors
Term: Presteaming period
Related term..... Steam curing
Used for..... Delay period
Term: Prestress loss
Broader term..... Prestressed concrete
Related term..... Slippage
Term: Prestressed concrete
Related term..... Post tensioning
Broader term..... Concretes
Broader term..... Reinforced concrete
Narrower term..... Prestress loss
Related term..... Prestressing steels
Related term..... Concrete construction
Related term..... High strength concretes (HSC)
Related term..... Prestressing
Related term..... Expansive cements
Term: Prestressed concrete beams
Broader term..... Beams
Term: prestressed concrete bridges
Use..... Bridges
Term: Prestressed concrete columns
Broader term..... Columns
Term: Prestressed concrete panels
Use..... Concrete panels
Term: Prestressed concrete piles
Use..... Concrete piles
Term: Prestressed concrete pipes
Use..... Concrete pipes
Term: Prestressed concrete poles
Term: Prestressed concrete tanks
Term: Prestressed masonry
Term: Prestressing
Narrower term..... Post tensioning

Related term..... Prestressed concrete
Related term..... Concrete construction
Narrower term..... Circular prestressing
Narrower term..... Pretensioning
Narrower term..... Strand blanketing
Narrower term..... Unbonded prestressing
Narrower term..... Partial prestressing
Related term..... Structural members
Related term..... Stress transfer
Related term..... Anchorage (structural)
Related term..... Slippage
Related term..... End blocks
Term: Prestressing steels
Related term..... Prestressed concrete
Related term..... High strength steels
Used for..... Tendons
Broader term..... Steel reinforcement
Broader term..... Steels
Related term..... Structural steels
Used for..... Strands
Term: Pretensioning
Broader term..... Prestressing
Related term..... Precast concrete
Term: Primary air
Broader term..... Pyroprocessing
Related term..... Tertiary air
Related term..... Secondary air
Term: Primary crushers
Broader term..... Crushers
Term: Print layout
Related term..... Flow charting
Term: Prisms
Broader term..... Specimens
Related term..... Tests (Hardened concrete)
Term: Probability theory
Related term..... Reliability
Related term..... Monte carlo method
Term: Process control
Related term..... Quality control
Related term..... Pyroprocessing
Broader term..... Cement manufacturing
Related term..... Cement quality
Related term..... Regulators
Related term..... Control equipment
Term: profilers
Use..... Profilometers
Term: Profilometers
Related term..... Pavements
Broader term..... Measuring instruments
Related term..... Surface roughness
Used for..... profilers
Used for..... pavement profilers
Used for..... road profiling
Term: Programming languages
Related term..... Data processing
Term: Progressive collapse
Broader term..... Collapse
Related term..... Failure
Term: Progressive placement method
Broader term..... Segmental construction
Narrower term..... Incremental launching method
Term: Properties

Narrower term..... Mechanical properties
Narrower term..... thermal properties
Narrower term..... Electrical properties
Narrower term..... Portland cement physical properties
Narrower term..... Physical properties
Related term..... Tests

Term: Propionates

Related term..... Esters

Term: Proportioning

Narrower term..... Mix proportioning

Term: Protective coatings

Broader term..... Coatings

Related term..... Corrosion

Related term..... Linseed oil

Related term..... Construction materials

Narrower term..... Fire resistant coatings

Narrower term..... Abrasion resistant coatings

Narrower term..... Heat resistant coatings

Related term..... Vapor barriers

Related term..... Organic coatings

Related term..... Sprayed coatings

Related term..... Paints

Term: Protective structures

Term: Psychrometers

Broader term..... Moisture meters

Broader term..... Hygrometers

Broader term..... Measuring instruments

Related term..... Humidity

Term: Public buildings

Broader term..... Buildings

Narrower term..... School buildings

Narrower term..... Religious buildings

Narrower term..... Theaters

Narrower term..... Stadiums

Related term..... Commercial buildings

Broader term..... Public works

Narrower term..... Museums

Narrower term..... Shopping centers

Narrower term..... Motels

Narrower term..... Hotels

Term: Public works

Broader term..... Civil engineering

Narrower term..... Infrastructure

Narrower term..... Sewers

Narrower term..... Public buildings

Narrower term..... Water supply

Narrower term..... Municipal engineering

Term: pull off tests

Use..... Tensile bond test

Term: Pullout tests

Related term..... Bond (concrete to reinforcement)

Broader term..... Mechanical tests

Broader term..... Nondestructive tests

Broader term..... Shear strength tests

Term: Pulse echo technique

Use..... Ultrasonic tests

Term: Pulse energized precipitators

Related term..... Electrostatic precipitators

Broader term..... Dust collectors

Term: pulverized fuel ash (PFA)

Use..... Fly ash

Term: Pulverized fuels

Related term..... Coal

Term: pulverizing

Use..... Grinding (Comminution)

Term: Pumice

Broader term..... Igneous rocks

Broader term..... Natural aggregates

Related term..... Perlite

Related term..... Lightweight aggregates

Term: Pumicite

Term: Pumped concrete

Related term..... Shotcrete

Related term..... Placing

Broader term..... Concretes

Broader term..... Pumps

Related term..... Mortars

Related term..... Underwater construction

Related term..... Stucco

Related term..... Grouting

Term: Pumps

Narrower term..... Pumped concrete

Related term..... Construction equipment

Narrower term..... Vacuum pumps

Term: Punching shear

Broader term..... Shear properties

Term: purlins

Use..... Joists

Term: Pyrament

Term: Pyrite

Broader term..... Iron ores

Related term..... Sulfur

Broader term..... Sulfites

Broader term..... Sulfides

Term: Pyroclastic rocks

Broader term..... Igneous rocks

Term: Pyroprocessing

Narrower term..... Secondary air

Narrower term..... Precalciners

Related term..... Rotary kilns

Broader term..... Cement manufacturing

Narrower term..... Tertiary air

Narrower term..... Thermal efficiency

Narrower term..... Preheaters

Narrower term..... Primary air

Narrower term..... Calcining zone

Related term..... Process control

Term: Qualitative analysis

Broader term..... Chemical analysis

Broader term..... Chemical tests

Related term..... Flame photometry

Term: quality assurance

Use..... Quality control

Term: Quality control

Related term..... Compressive strength

Broader term..... Tests

Broader term..... Cement manufacturing

Broader term..... Physical tests

Related term..... Variability

Related term..... Optimization

Related term..... Inspection

Related term..... Process control

Related term..... Sampling concrete

Related term..... Mechanical properties

Related term..... Specifications
Related term..... Static tests
Related term..... Acceptability
Related term..... Mechanical tests
Related term..... Standard deviation
Related term..... Regression analysis
Related term..... Statistical samples
Related term..... Nondestructive tests
Related term..... Statistical analysis
Related term..... Confidence limits
Related term..... Coefficient of variation
Related term..... Reliability
Related term..... Dynamic tests
Related term..... Control charts
Related term..... Cement quality
Related term..... Chemical tests
Related term..... Construction
Related term..... Tolerances (Mechanics)
Related term..... Standards
Used for..... quality assurance
Term: Quantative X-ray analysis
Broader term..... Quantitative analysis
Term: Quantitative analysis
Broader term..... X ray analysis
Broader term..... Chemical analysis
Narrower term..... Quantative X-ray analysis
Broader term..... Chemical tests
Related term..... Flame photometry
Term: Quarries
Broader term..... Cement manufacturing
Broader term..... Mines (excavations)
Term: Quartz
Broader term..... Natural aggregates
Related term..... Siliceous aggregates
Broader term..... Silica minerals
Broader term..... Silicon dioxide
Related term..... Silicates
Term: Quartzites
Broader term..... Natural aggregates
Broader term..... Aggregates
Term: quaternary amines
Term: Quays
Related term..... Harbor structures
Related term..... Retaining walls
Term: quick set
Use..... Flash set
Term: Radial
Related term..... Tires
Term: Radial bedding
Broader term..... Bedding
Term: Radial stress
Broader term..... Stresses
Term: Radiant flux density
Related term..... Emittance
Related term..... Emissivity
Term: Radiation shielding
Related term..... Heavyweight concretes
Broader term..... Shielding
Related term..... Nuclear reactors
Used for..... Nuclear shielding
Term: radioactive waste
Use..... Nuclear waste

Term: Radiography

Broader term..... Nondestructive tests

Broader term..... Tests

Broader term..... Physical tests

Narrower term..... Nuclear magnetic resonance (NMR)

Term: Radio-isotope

Broader term..... Tests

Term: Radius of curvature

Broader term..... Soil cement

Term: Radon**Term: Railroad bridges**

Broader term..... Bridges

Related term..... Arch bridges

Related term..... Suspension bridges

Related term..... Railroads

Related term..... Highway bridges

Related term..... Cantilever bridges

Related term..... Rigid frame bridges

Term: Railroad crossings

Broader term..... Intersections

Term: Railroad ties

Broader term..... Concrete products

Related term..... Railroads

Used for..... ties (railroad)

Used for..... Railway sleepers

Term: Railroad tracks

Narrower term..... Slab tracks

Term: Railroad tunnels

Broader term..... Tunnels

Related term..... Railroads

Term: Railroads

Related term..... Slab tracks

Related term..... Embankments

Narrower term..... Rapid transit railways

Narrower term..... Light rail transit (LRT)

Narrower term..... Monorail railways

Related term..... Railroad tunnels

Related term..... Railroad ties

Related term..... Guideways

Related term..... Railroad bridges

Term: Railway sleepers

Use..... Railroad ties

Term: Raked joints

Broader term..... Masonry

Broader term..... Mortar joints

Term: Raman spectrometry

Broader term..... Spectroscopy

Related term..... Infrared spectroscopy

Term: Ramps

Related term..... Bridges

Broader term..... Interchanges

Term: Randomized joint spacings

Related term..... Joints

Term: Rankinite

Broader term..... Silicates

Term: Raolin

Broader term..... Silicates

Term: Rapid analyses machine

Broader term..... Measuring instruments

Term: Rapid analysis machine (RAM)

Broader term..... Measuring instruments

Term: Rapid chloride permeability test (RCPT)

Broader term..... Chemical tests
Related term..... Chloride ingress
Term: Rapid hardening cements
Use..... High early strength cements
Term: Rapid transit railways
Broader term..... Light rail transit (LRT)
Broader term..... Railroads
Related term..... Monorail railways
Related term..... Guideways
Related term..... Urban transportation
Term: rate of loading
Use..... Loading rate
Term: Raw feed
Use..... Portland cement raw materials
Used for..... raw meal
Used for..... raw mix
Term: raw material dust
Use..... Dust
Term: Raw materials
Narrower term..... Portland cement raw materials
Term: raw meal
Use..... Raw feed
Term: raw mills
Use..... Roller mills
Term: raw mix
Use..... Portland cement raw materials
Use..... Raw feed
Term: raw mix dust
Use..... Dust
Term: rdf
Use..... Waste-derived fuels (WDF)
Term: Reaction kinetics
Related term..... Kinetics
Related term..... Thermodynamic properties
Term: Reactive aggregates
Broader term..... Cement aggregate reactions
Narrower term..... Opal
Narrower term..... Siliceous aggregates
Term: Reactive powder cements
Term: ready mix plants
Use..... Mixing plants
Term: Ready mix trucks
Related term..... Mixers
Used for..... Mixer trucks
Used for..... transit mixers
Used for..... Truck-mounted mixers
Term: Ready mixed concrete
Broader term..... Concretes
Related term..... Mixing plants
Related term..... Mixers
Used for..... Transit mixed concrete
Used for..... Centrally mixed concrete
Term: Ready-mix truck drivers
Term: ready-mixed concrete plants
Use..... Mixing plants
Term: reagents
Term: rebar
Use..... Steel reinforcement
Term: Rebar chairs
Term: Rebound
Use..... Shotcrete
Term: rebound hammer

Use..... Schmidt rebound hammer test

Term: Rebuilding

Related term..... Retrofit

Related term..... Maintenance

Related term..... Construction

Related term..... Renovation

Term: reclaimed concrete pavement (rcp)

Use..... Recycled concrete

Term: Recommended practice

Term: Recording instruments

Related term..... Measuring instruments

Related term..... Control equipment

Broader term..... Instruments

Used for..... monitoring instruments

Term: Recreational facilities

Related term..... Buildings

Narrower term..... Swimming pools

Narrower term..... Tennis courts

Narrower term..... Stadiums

Narrower term..... Playgrounds

Related term..... Marinas

Related term..... Auditoriums

Related term..... Gymnasiums

Related term..... Band shells

Term: Rectangular beams

Broader term..... Beams

Term: Rectangular tanks

Broader term..... Tanks (Containers)

Term: Recycled concrete

Broader term..... Concretes

Narrower term..... Full depth reclamation (FDR)

Related term..... Econcrete

Used for..... recycling

Used for..... reclaimed concrete pavement (rcp)

Term: recycling

Use..... Recycled concrete

Term: Refining

Related term..... Beneficiation

Term: reflection coefficient

Use..... Albedo

Use..... Light reflectance

Use..... Reflectivity

Term: Reflective coatings

Broader term..... Coatings

Related term..... Heat transfer

Related term..... Heat resistant coatings

Term: Reflective cracking

Broader term..... Cracking

Term: Reflectivity

Broader term..... Surface properties

Broader term..... Physical properties

Used for..... reflection coefficient

Term: Reflectometric Impulse Measurement Technique (RIMT)

Term: refractive index

Use..... Refractivity

Term: Refractivity

Broader term..... Optical properties

Used for..... refractive index

Term: Refractories

Narrower term..... Refractory concretes

Related term..... Lightweight aggregates

Related term..... Mortars

Related term..... Aluminate cements

Related term..... Clay minerals

Related term..... Kilns

Narrower term..... Kiln bricks

Narrower term..... Firebrick

Related term..... Fireclays

Related term..... Thermal insulation

Used for..... refractory materials

Term: Refractory concretes

Broader term..... Concretes

Broader term..... Refractories

Related term..... Aluminate cements

Term: refractory materials

Use..... Refractories

Term: refuse-derived fuels (rdf)

Use..... Waste-derived fuels (WDF)

Term: Regression analysis

Broader term..... Statistical analysis

Related term..... Quality control

Term: Regulated-set cements

Broader term..... Calcium aluminate cements (CAC)

Broader term..... Cements

Used for..... Jet cement

Term: Regulators

Related term..... Control equipment

Related term..... Process control

Term: rehabilitation

Use..... Renovation

Term: Reinforced concrete

Narrower term..... Steel reinforcement

Narrower term..... Fiber reinforced concretes

Narrower term..... Prestressed concrete

Related term..... Confined concrete

Related term..... Reinforcing materials

Related term..... Ferrocement

Related term..... Concrete construction

Broader term..... Concretes

Related term..... Construction materials

Term: Reinforced concrete beams

Use..... Beams

Term: Reinforced concrete construction

Use..... Concrete construction

Term: Reinforced concrete construction - Fires and fire prevention - Mathematical models

Term: Reinforced concrete pipes

Broader term..... Concrete pipes

Term: Reinforced masonry

Broader term..... Masonry

Related term..... Steel reinforcement

Term: reinforcement

Use..... Reinforcing materials

Term: Reinforcement cages

Broader term..... Steel reinforcement

Related term..... Detailing

Related term..... Columns

Term: reinforcing bars

Use..... Steel reinforcement

Term: Reinforcing materials

Broader term..... Construction materials

Narrower term..... Glass fiber reinforced concrete (GFRC)

Narrower term..... Fiber reinforced plastic (FRP)

Narrower term..... Bar reinforcement

Narrower term..... Fibers

Narrower term..... Steel reinforcement
Narrower term..... Carbon fiber reinforced composites (CFRC)

Related term..... Rice husks (silica)
Related term..... Reinforced concrete

Used for..... concrete reinforcement
Used for..... reinforcement

Term: Relative density

Use..... Density (mass/volume)

Term: relative humidity

Use..... Humidity

Term: Relaxation tests

Use..... Stress relaxation tests

Term: Reliability

Related term..... Tolerances (Mechanics)

Related term..... Acceptability

Related term..... Quality control

Broader term..... Dynamic characteristics

Related term..... Probability theory

Related term..... Confidence limits

Term: Relief joints

Use..... Expansion joints

Term: Religious buildings

Broader term..... Public buildings

Used for..... Church buildings

Used for..... Churches

Term: Relly ball test

Term: remixing

Use..... Retempering

Term: Remolding tests

Broader term..... Consistency tests

Term: Removable concrete forms (RCF)

Broader term..... Formwork

Related term..... Insulating concrete forms (ICF)

Term: Removable forms

Broader term..... Formwork

Narrower term..... Inflatable forms

Use..... Fiberglass forms

Term: Renovation

Related term..... Maintenance

Related term..... Retrofit

Related term..... Rebuilding

Related term..... Repairs

Used for..... rehabilitation

Term: repair

Use..... Repairs

Term: Repairs

Related term..... Overlays

Used for..... restoration

Narrower term..... Epoxy injection

Narrower term..... Tuckpointing

Narrower term..... Seismic retrofit

Related term..... Patching

Related term..... Maintenance

Related term..... Renovation

Related term..... Retrofit

Used for..... repair

Term: repeated loads

Use..... Cyclic loads

Term: Research

Term: Reservoirs

Broader term..... Hydraulic structures

Related term..... Tanks (Containers)

Related term..... Flood control
Broader term..... Water supply
Related term..... Hydroelectric power generation
Related term..... Water tanks

Term: Reshoring

Use..... Shoring

Term: residences

Use..... Residential buildings

Term: Residential buildings

Broader term..... Buildings
Narrower term..... Houses
Narrower term..... Apartment buildings
Narrower term..... Hotels
Narrower term..... Motels
Used for..... dwellings
Used for..... residences

Term: Residual stress

Broader term..... Stresses
Broader term..... Mechanical properties
Related term..... Stress relaxation
Related term..... Strains
Related term..... Creep
Related term..... Creep tests

Term: Resilience

Broader term..... Mechanical properties
Related term..... Tensile properties

Term: Resilient modulus (MR)

Broader term..... Soil mechanics
Related term..... Bearing capacity
Related term..... Subgrades
Used for..... soil modulus of subgrade reaction
Related term..... Soil compressibility

Term: Resin cements

Broader term..... Cements
Related term..... Masonry cements
Related term..... Epoxy resins

Term: Resin concrete

Term: Resins

Narrower term..... Acrylic resins
Related term..... Plastics
Related term..... Epoxy resins
Narrower term..... Cellulosic resins
Narrower term..... Vinyl resins
Narrower term..... Polyether resins
Related term..... Polymers

Term: resistance factors

Use..... Load and resistance factor design (LRFD)

Term: Resistance thermometers

Broader term..... Measuring instruments
Broader term..... Thermal measuring instruments

Term: Resonant frequency

Related term..... Dynamic response
Related term..... Damping
Broader term..... Dynamic characteristics
Related term..... Dynamic tests
Related term..... Sonic tests

Term: Resonant frequency tests

Broader term..... Nondestructive tests

Term: resource recovery

Term: Response spectra

Term: Responses

Narrower term..... Dynamic response

Narrower term..... Frequency response

Term: restoration

Use..... Repairs

Term: restrained ring shrinkage test

Use..... Restrained shrinkage test

Term: Restrained shrinkage

Broader term..... Shrinkage

Used for..... restraint

Term: Restrained shrinkage test

Used for..... restrained ring shrinkage test

Term: restraint

Use..... Restrained shrinkage

Term: Restraints

Related term..... Fire tests

Related term..... Cracking

Term: resurfacing

Use..... Overlays

Term: Retaining walls

Broader term..... Walls

Related term..... Bulkheads

Used for..... Diaphragm walls

Related term..... Sea walls

Related term..... Quays

Term: Retarders

Related term..... Accelerators

Broader term..... Admixtures

Broader term..... Agents

Related term..... Curing compounds

Related term..... Water reducing admixtures

Related term..... Lignin and derivatives

Related term..... Oil well cements

Related term..... Surfactants

Used for..... Set retarding agents

Term: Retempering

Related term..... Concretes

Related term..... Mortars

Used for..... remixing

Term: Retrofit

Narrower term..... Seismic retrofit

Related term..... Repairs

Related term..... Rebuilding

Related term..... Renovation

Term: Revetments

Broader term..... Hydraulic structures

Broader term..... Embankments

Related term..... Shore protection

Related term..... Bulkheads

Related term..... Dikes

Related term..... Sea walls

Related term..... Wave runup

Used for..... Articulated concrete mattresses

Term: Reviews

Used for..... State of the art studies

Term: Revolving screens

Broader term..... Separators

Broader term..... Classifiers

Term: Rheological properties

Narrower term..... Viscoelasticity

Related term..... Creep

Related term..... Mechanical properties

Related term..... Fresh concretes

Broader term..... Physical properties

Related term..... Internal friction

Related term..... Capillarity

Related term..... Diffusivity

Used for..... rheology

Term: rheology

Use..... Rheological properties

Term: Rhyolite

Broader term..... Igneous rocks

Term: Ribbed slabs

Use..... Joists

Term: Rice husk ash

Broader term..... Supplementary cementing materials (SCM)

Term: Rice husks (silica)

Related term..... Admixtures

Related term..... Reinforcing materials

Broader term..... Natural fibers

Term: Rietveld analysis

Broader term..... X ray diffraction spectrometry (XRD)

Term: Rigid frame bridges

Broader term..... Bridges

Related term..... Suspension bridges

Related term..... Arch bridges

Related term..... Railroad bridges

Related term..... Highway bridges

Related term..... Lift bridges

Related term..... Cantilever bridges

Related term..... Foot bridges

Related term..... Girder bridges

Term: Rigid frames

Broader term..... Frames

Related term..... Trusses

Related term..... Arches

Narrower term..... Gabled frames

Used for..... portal frames

Term: Rigid pavements

Broader term..... Pavements

Related term..... Concrete pavements

Term: Rigidity

Related term..... Flexural strength

Term: Ring girders

Broader term..... Girders

Term: Rivers

Related term..... Erosion

Term: Road beds

Used for..... Track bed

Term: road materials

Use..... Construction materials

Term: Road noise

Related term..... Texture

Related term..... Pavement smoothness

Used for..... pavement noise

Used for..... tire noise

Term: road profiling

Use..... Profilometers

Term: road roughness

Use..... Surface roughness

Term: Roads

Broader term..... Pavements

Narrower term..... Highways

Narrower term..... Expressways

Broader term..... Structures

Narrower term..... Test roads

Related term..... Culverts

Related term..... Shoulders

Related term..... Tunnels

Related term..... Streets

Related term..... Embankments

Term: Rock cores

Broader term..... Cores

Term: Rock foundations

Broader term..... Foundations

Term: Rock mechanics

Broader term..... Civil engineering

Term: Rock wool

Broader term..... Mineral wool

Broader term..... Fibers

Related term..... Insulation

Term: Rockfill dams

Broader term..... Dams

Term: Rocks

Related term..... Aggregates

Narrower term..... Sedimentary rocks

Narrower term..... Metamorphic rocks

Narrower term..... Igneous rocks

Related term..... Petrography

Related term..... Embankments

Used for..... Stones (rock)

Term: rod milling

Use..... Grinding (Comminution)

Term: Rod mills

Broader term..... Grinding mills

Broader term..... Secondary crushers

Term: Roll crushers

Broader term..... Crushers

Term: roll mills

Use..... Roller mills

Term: Roller compacted concrete (RCC)

Broader term..... Concretes

Narrower term..... Roller compacting

Term: Roller compacting

Broader term..... Compaction [concrete]

Broader term..... Roller compacted concrete (RCC)

Term: Roller mills

Broader term..... Secondary crushers

Broader term..... Grinding mills

Used for..... roll mills

Used for..... raw mills

Used for..... vertical roller mills

Term: Roller skating rinks

Broader term..... Buildings

Term: Roofing

Related term..... Roofs

Broader term..... Construction materials

Narrower term..... Shingles

Narrower term..... Tiles

Term: Roofs

Broader term..... Building components

Related term..... Shells (structural forms)

Related term..... Panels

Related term..... Roofing

Related term..... Folded plates

Related term..... Insulating concretes

Term: Rotary coolers

Broader term..... Coolers

Term: Rotary kilns

Broader term..... Kilns

Narrower term..... Kiln buildup

Narrower term..... Kiln coatings

Narrower term..... Calcining zone

Used for..... cement kilns

Broader term..... Cement plant equipment

Narrower term..... Kiln linings

Narrower term..... Kiln tires

Related term..... Pyroprocessing

Term: Rotational capacity

Related term..... Columns

Term: roughness coefficient

Use..... Surface roughness

Term: Rubbed finish

Broader term..... Finishes

Term: Rubblizing

Used for..... crack and seat

Term: Runoff

Related term..... Flood control

Related term..... Drainage

Related term..... Soil erosion

Broader term..... Hydrology

Related term..... Water flow

Term: Runways

Broader term..... Pavements

Broader term..... Airports

Broader term..... Concrete pavements

Related term..... Taxiways

Used for..... airport pavements

Term: rust prevention

Use..... Corrosion resistance

Term: Rusting

Broader term..... Corrosion

Related term..... Degradation

Related term..... Galvanic corrosion

Related term..... Corrosion resistance

Related term..... Chemical attack

Term: sacking

Use..... Bagging

Term: Safety

Narrower term..... Fire protection

Related term..... Explosions

Narrower term..... Accident prevention

Narrower term..... Fire prevention

Narrower term..... Threshold limit value (TLV)

Related term..... Fire hazards

Related term..... Fires

Related term..... Burns

Related term..... Accidents

Related term..... Hazards

Term: Safety engineering

Broader term..... Engineering

Related term..... Explosions

Related term..... Fire protection

Related term..... Containment

Related term..... Construction

Related term..... Burns

Related term..... Warning systems

Related term..... Accidents

Term: Safety factor

Broader term..... Structural design

Term: Salamanders

Related term..... Carbonation
Related term..... Cold weather construction
Related term..... Heating

Term: Salicylic acids

Broader term..... Organic acids

Term: Saline water

Use..... Salt water

Term: salt

Use..... Salts
Use..... Sodium chloride (NaCl)

Term: Salt distress

Broader term..... Freeze thaw durability

Term: salt scaling

Use..... Scaling

Term: Salt spray tests

Broader term..... Corrosion tests

Term: Salt water

Broader term..... Water
Narrower term..... Sea water
Related term..... Sulfate attack
Used for..... Brines
Related term..... Desalination
Used for..... Saline water
Used for..... saltwater

Term: Salts

Related term..... Deicers
Used for..... salt

Term: saltwater

Use..... Salt water

Term: Samples

Related term..... Statistical analysis
Related term..... Cores
Narrower term..... Statistical samples

Term: Sampling concrete

Related term..... Quality control
Related term..... Mechanical tests
Broader term..... Physical tests
Broader term..... Tests (Fresh concrete)
Related term..... Confidence limits
Related term..... Chemical tests
Related term..... Acceptability

Term: sand

Use..... Sands

Term: sand blasting

Use..... Abrasive blasting

Term: Sand cements

Use..... Mortars

Term: Sand embedment method

Broader term..... Exposed aggregate concrete

Term: Sand gravel concrete

Broader term..... Concretes
Related term..... Sands
Related term..... Gravel

Term: Sand lime brick

Broader term..... Concrete bricks
Broader term..... Bricks

Term: Sand patch test.

Term: sand replacement

Use..... Fine aggregates

Term: Sands

Broader term..... Aggregates

Related term..... Gravel
Related term..... Fine aggregates
Broader term..... Soils
Related term..... Silicon dioxide
Related term..... Sand gravel concrete
Related term..... Fines
Used for..... sand
Term: Sandstones
Broader term..... Sedimentary rocks
Broader term..... Natural aggregates
Term: Sandwich construction
Use..... Sandwich structures
Term: Sandwich structures
Broader term..... Construction
Related term..... Walls
Broader term..... Structures
Used for..... Sandwich construction
Term: Sanitary engineering
Broader term..... Engineering
Broader term..... Municipal engineering
Narrower term..... Water treatment plants
Narrower term..... Sewers
Narrower term..... Water supply
Narrower term..... Drainage
Narrower term..... Sewage treatment
Narrower term..... Water treatment
Narrower term..... Wastewater treatment plants
Term: santorin earth
Use..... Tuff
Term: satellite coolers
Use..... Planetary coolers
Term: Sawdust
Related term..... Lightweight aggregates
Term: Sawed joints
Broader term..... Joints
Term: Sawing
Use..... Cutting
Term: Scale (ratio)
Related term..... Models
Term: Scaling
Used for..... Deicer scaling
Broader term..... Surface defects
Related term..... Chemical attack
Related term..... Deicers
See also... Freeze thaw durability
Used for..... salt scaling
Term: Scaling resistance test (ASTM C 672)
Term: Scanning electron microscopy (SEM)
Broader term..... Optical chemical analysis
Broader term..... Electron microscopy
Used for..... SEM
Term: Scarf connections
Broader term..... Connections
Term: Scarifying
Related term..... Cleaning
Term: SCC
Use..... Self-consolidating concrete (SCC)
Term: Schmidt rebound hammer test
Broader term..... Impact tests
Broader term..... Nondestructive tests
Used for..... rebound hammer
Term: School buildings

Broader term..... Buildings
Related term..... Auditoriums
Broader term..... Public buildings
Related term..... Gymnasiums
Term: Scour (erosion)
Broader term..... Water erosion
Narrower term..... Bridge scour
Term: scrap tires as fuel
Use..... Tire-derived fuels (TDF)
Term: screeding
Use..... Finishing
Term: Screen analysis
Use..... Sieve analysis
Term: Screen blocks
Broader term..... Concrete blocks
Used for..... Grille block
Term: Screening (sizing)
Use..... Size screening
Term: Screens (sizing)
Use..... Sizing screens
Term: Screw conveyors
Broader term..... Conveyors
Term: Scrubbers
Broader term..... Air pollution control equipment
Related term..... Sulfur dioxide (SO₂)
Term: Sculp-crete.
Term: Sculpture
Narrower term..... Statues
Term: Sea shells
Related term..... Portland cement raw materials
Term: Sea walls
Broader term..... Walls
Broader term..... Hydraulic structures
Related term..... Retaining walls
Related term..... Shore protection
Related term..... Harbor structures
Related term..... Bulkheads
Related term..... Wave runup
Related term..... Revetments
Related term..... Breakwaters
Term: Sea water
Broader term..... Salt water
Broader term..... Water
Related term..... Desalination
Used for..... seawater
Term: Sea water corrosion
Broader term..... Corrosion
Term: Sealants
Narrower term..... Joint sealants
Broader term..... Construction materials
Term: sealants (joint)
Use..... Joint sealants
Term: Sealers
Narrower term..... Joint sealants
Related term..... Coatings
Narrower term..... Joint fillers
Related term..... Sealing
Related term..... Binders (materials)
Related term..... Paints
Used for..... surface sealers
Used for..... Water repellents
Term: Sealing

Related term..... Bonding

Related term..... Sealers

Related term..... Grouting

Related term..... Waterproofing

Related term..... Epoxy injection

Related term..... Adhesion

Term: seawater

Use..... Sea water

Term: Secant modulus

Broader term..... Mechanical properties

Related term..... Modulus of elasticity

Term: Secondary air

Related term..... Tertiary air

Broader term..... Pyroprocessing

Related term..... Primary air

Term: Secondary crushers

Narrower term..... Ball mills

Narrower term..... Impact mills

Narrower term..... Roller mills

Narrower term..... Jet mills

Narrower term..... Tube mills

Narrower term..... Pebble mills

Narrower term..... Rod mills

Related term..... Finish mills

Related term..... Finish grinding

Broader term..... Crushers

Narrower term..... Hammer mills

Term: Sedimentary rocks

Broader term..... Rocks

Narrower term..... Dolomite

Narrower term..... Limestone

Related term..... Carbonate aggregates

Related term..... Igneous rocks

Narrower term..... Shales

Narrower term..... Chert

Narrower term..... Oil shale

Narrower term..... Sandstones

Term: Sedimentation

Related term..... Agglomeration

Related term..... Bleeding (Fresh concrete)

Related term..... Crystallization

Related term..... Separation

Related term..... Flocculating

Term: Seepage

Related term..... Waterproofing

Related term..... Grouting

Used for..... leakage

Term: Segmental construction

Broader term..... Concrete construction

Broader term..... Construction

Narrower term..... Incremental launching method

Narrower term..... Progressive placement method

Term: Segmental retaining walls (SRW)

Term: Segregation

Use..... Separation

Term: Seismic analysis

Related term..... Earthquake resistant structures

Term: seismic design

Use..... Earthquake resistant structures

Term: Seismic loads

Term: seismic rehabilitation

Use..... Seismic retrofit

Term: Seismic retrofit

Broader term..... Earthquake resistant structures

Broader term..... Repairs

Used for..... seismic rehabilitation

Broader term..... Retrofit

Term: Seismic waves

Related term..... Earth movements

Related term..... Earthquakes

Term: Seismology

Related term..... Earth movements

Related term..... Earthquakes

Term: Selective catalytic reduction (SCR)

Term: Selective non-catalytic reduction (SNCR)

Term: Self stressing cements

Broader term..... Cements

Broader term..... Expansive cements

Term: Self stressing concretes

Broader term..... Concretes

Broader term..... Expansive cement concretes

Term: self-compacting concrete

Use..... Self-consolidating concrete (SCC)

Term: Self-consolidating concrete (SCC)

Used for..... self-compacting concrete

Used for..... flowing concrete

Used for..... high slump concrete

Used for..... self-leveling concrete

Used for..... SCC

Used for..... flowable concrete

Term: Self-consolidating grout

Term: Self-dessication

Term: self-leveling concrete

Use..... Self-consolidating concrete (SCC)

Term: SEM

Use..... Scanning electron microscopy (SEM)

Term: Semisubmersible platforms

Broader term..... Offshore structures

Related term..... Gravity platforms

Broader term..... Platforms

Term: Separation

Narrower term..... Leaching

Related term..... Beneficiation

Related term..... Placing

Related term..... Fracturing

Related term..... Bleeding (Fresh concrete)

Narrower term..... Size screening

Narrower term..... Sieve analysis

Narrower term..... Osmosis

Narrower term..... Detrainment

Narrower term..... Precipitation (chemistry)

Related term..... Settling

Related term..... Evaporation

Related term..... Diffusion

Related term..... Sedimentation

Related term..... Agglomeration

Related term..... Dehydration

Related term..... Flocculating

Related term..... Separators

Used for..... Segregation

Term: Separators

Narrower term..... Classifiers

Narrower term..... Dust collectors

Narrower term..... Electrostatic precipitators

Narrower term..... Cyclone separators

Related term..... Mixers

Related term..... Separation

Narrower term..... Vacuum filters

Narrower term..... Disk filters

Narrower term..... Revolving screens

Narrower term..... Sieves

Narrower term..... Magnetic separators

Narrower term..... Leaf filters

Narrower term..... Drum filters

Narrower term..... Dense media separators

Narrower term..... Sizing screens

Narrower term..... Pressure filters

Narrower term..... Filter presses

Narrower term..... Hydrocyclones

Term: Septic tanks

Broader term..... Tanks (Containers)

Broader term..... Concrete products

Related term..... Sewage treatment

Term: Sericite

Related term..... Igneous rocks

Term: Service life

Related term..... Durability

Narrower term..... Life cycle

Term: Serviceability

Term: Set retarding agents

Use..... Retarders

Term: Setting (hardening)

Narrower term..... Initial set

Narrower term..... Final set

Broader term..... Portland cement physical properties

Narrower term..... Abnormal set

Related term..... Hardening

Related term..... Penetration tests

Used for..... time of setting

Term: Settlement (structural)

Used for..... Differential settlement

Term: Settlement shrinkage

Use..... Subsidence

Term: Settling

Related term..... Separation

Related term..... Agglomeration

Term: severe conditions

Use..... Durability

Term: Sewage treatment

Related term..... Waste disposal

Broader term..... Waste treatment

Broader term..... Sanitary engineering

Related term..... Septic tanks

Related term..... Pollution

Related term..... Water pollution

Related term..... Wastewater treatment plants

Related term..... Sewers

Term: Sewer pipes

Broader term..... Pipes (tubes)

Broader term..... Concrete pipes

Term: Sewers

Broader term..... Hydraulic structures

Related term..... Sewage treatment

Broader term..... Public works

Broader term..... Sanitary engineering

Related term..... Hydrogen sulfide

Term: Shaft kilns

Broader term..... Kilns

Used for..... vertical kilns

Term: Shale oil

Broader term..... Fossil fuels

Term: Shales

Broader term..... Sedimentary rocks

Related term..... Clays

Related term..... Expanded clay aggregates

Related term..... Expanded shale aggregates

Related term..... Lightweight aggregates

Broader term..... Pozzolans

Narrower term..... Opaline shale

Narrower term..... Oil shale

Term: Shape factor

Related term..... Joints

Term: shear

Use..... Shear properties

Term: Shear connectors

Broader term..... Connectors

Related term..... Shear properties

Term: shear failure

Use..... Shear strength

Term: Shear modulus

Broader term..... Elastic properties

Broader term..... Shear properties

Broader term..... Mechanical properties

Related term..... Modulus of elasticity

Related term..... Fracture properties

Used for..... Modulus of rigidity

Used for..... Torsional modulus

Term: Shear properties

Narrower term..... Shear strength

Related term..... Shear connectors

Related term..... Ductility

Related term..... Torsion tests

Related term..... Elastic limit

Related term..... Creep

Broader term..... Mechanical properties

Broader term..... Deformation (Elastic and inelastic)

Narrower term..... Shear modulus

Narrower term..... Punching shear

Related term..... Shear tests

Related term..... Structural walls

Related term..... Shear stress

Related term..... Shear transfer

Related term..... Fracture properties

Related term..... Tensile properties

Related term..... Hysteresis

Related term..... Torsion

Related term..... Diagonal tension

Related term..... Stresses

Used for..... shear

Term: Shear reinforcement

Term: Shear strength

Used for..... shear failure

Broader term..... Shear properties

Broader term..... Strength

Related term..... Shear stress

Related term..... Strength design

Term: Shear strength tests

Broader term..... Tests (Hardened concrete)

Narrower term..... Pullout tests

Term: Shear stress

Broader term..... Stresses

Related term..... Shear strength

Related term..... Shear properties

Term: Shear tests

Broader term..... Mechanical tests

Narrower term..... Torsion tests

Related term..... Shear properties

Related term..... Tension tests

Related term..... Impact tests

Related term..... Triaxial tests

Related term..... Static tests

Related term..... Dynamic tests

Term: Shear transfer

Related term..... Shear properties

Term: Shear walls

Use..... Structural walls

Term: Sheaths

Related term..... Jackets

Term: Sheet piles

Broader term..... Piles

Term: Shell roofs

Use..... Shells (structural forms)

Term: shell structures

Use..... Shells (structural forms)

Term: Shells (structural forms)

Related term..... Roofs

Broader term..... Structural forms

Broader term..... Structures

Narrower term..... Domes (Structural forms)

Narrower term..... Hyperbolic parabolic shells

Narrower term..... Cylindrical shells

Narrower term..... Northlight shells

Narrower term..... Barrel shells

Related term..... Arches

Related term..... Membrane theory (Shells)

Related term..... Folded plates

Related term..... Suspended structures

Used for..... Shell roofs

Used for..... thin shell structures

Used for..... shell structures

Term: Shelters

Related term..... Buildings

Narrower term..... Fallout shelters

Term: Shielding

Narrower term..... Radiation shielding

Term: Shingles

Broader term..... Roofing

Related term..... Asbestos cement products

Term: Shinkage

Term: Ships

Related term..... Barges

Related term..... Boats

Term: Shock absorbers

Related term..... Damping

Term: Shock mechanics

Related term..... Mechanical shock

Related term..... Impact

Related term..... Stresses

Related term..... Vibration

Related term..... Thermal shock

Term: Shock resistance

Related term..... Damping

Related term..... Impact strength

Related term..... Mechanical shock

Related term..... Impact

Term: Shock waves

Related term..... Impact

Term: Shopping centers

Broader term..... Public buildings

Broader term..... Commercial buildings

Narrower term..... Supermarkets

Used for..... Shopping malls

Term: Shopping malls

Use..... Shopping centers

Term: Shore erosion

Use..... Shore protection

Term: Shore protection

Related term..... Hydraulic structures

Related term..... Bulkheads

Related term..... Sea walls

Related term..... Ocean waves

Related term..... Water waves

Related term..... Wave runup

Related term..... Revetments

Related term..... Breakwaters

Related term..... Coastal engineering

Related term..... Beach erosion

Used for..... Shore erosion

Term: Shoring

Related term..... Trenching

Related term..... Splicing

Related term..... Underpinning

Related term..... Jacking

Related term..... Concrete piles

Related term..... Formwork

Broader term..... Supports

Related term..... Falsework

See also... Foundations

See also... Piles

Used for..... Reshoring

Term: Shot blasting

Broader term..... Pavement texture

Broader term..... Texture

Term: Shotcrete

Used for..... gunite

Broader term..... Concretes

Related term..... Placing

Related term..... Mortars

Related term..... Pumped concrete

Used for..... sprayed concrete

Used for..... Nozzles

Used for..... Rebound

Used for..... Pneumatically placed mortars

Term: Shoulders

Related term..... Roads

Related term..... Econcrete

Related term..... Concrete pavements

Related term..... Highways

Related term..... Lean concretes

Term: Shrinkage

Broader term..... Volume change

Narrower term..... Drying shrinkage

Narrower term..... Plastic shrinkage

Narrower term..... Subsidence

Narrower term..... Restrained shrinkage

Narrower term..... Chemical shrinkage

Related term..... Contraction

Related term..... Cracking

Related term..... Autogenous shrinkage

Term: Shrinkage compensating cements

Broader term..... Expansive cements

Term: Shrinkage compensating concretes

Broader term..... Expansive cement concretes

Broader term..... Concretes

Term: Shrinkage cracking

Broader term..... Drying shrinkage

Broader term..... Cracking

Narrower term..... Map cracking

Term: Shrinking aggregates

Broader term..... Aggregates

Term: Shuttering

Use..... Formwork

Term: sick building syndrome

Term: Siderite

Broader term..... Carbonates

Broader term..... Iron ores

Term: Sidewalks

Related term..... Concrete pavements

Broader term..... Pavements

Related term..... Curbs

Term: Sieve analysis

Broader term..... Separation

Related term..... Fines

Related term..... Particle size distribution

Related term..... Size screening

Related term..... Sieves

Used for..... Screen analysis

Term: Sieves

Broader term..... Separators

Related term..... Sizing screens

Related term..... Sieve analysis

Term: Silica

Use..... Silicon dioxide

Term: Silica flour

Broader term..... Silicon dioxide

Related term..... Autoclaving

Broader term..... Silicon compounds

Term: Silica fume

Related term..... Admixtures

Broader term..... Pozzolans

Broader term..... Supplementary cementing materials (SCM)

Used for..... microsilica

Term: Silica gel

Broader term..... Gels

Broader term..... Silicon compounds

Broader term..... Silicon dioxide

Term: Silica glass

Broader term..... Silica minerals

Term: Silica minerals

Narrower term..... Quartz

Narrower term..... Cristobalite

Narrower term..... Opal

Related term..... Silicates

Related term..... Silicon dioxide

Narrower term..... Tridymite
Narrower term..... Silica glass
Narrower term..... Cristobalite opal

Term: Silicate cements

Broader term..... Cements

Term: silicate materials

Use..... Silicates

Term: silicate minerals

Use..... Silicates

Term: Silicates

Narrower term..... Calcium silicates
Narrower term..... Bentonite
Narrower term..... Clay minerals
Narrower term..... Dicalcium silicates (C2S)
Narrower term..... Asbestos
Narrower term..... Tricalcium silicates (C3S)
Related term..... Quartz
Narrower term..... Kaolin
Narrower term..... Illite
Narrower term..... Nepheline
Narrower term..... Rankinite
Narrower term..... Beidellites
Narrower term..... Mica
Narrower term..... Diopside
Narrower term..... Merwinite
Narrower term..... Glaucosite
Narrower term..... Sillimanite
Narrower term..... Xonotlite
Narrower term..... Fireclays
Narrower term..... Mullite
Narrower term..... Feldspars
Narrower term..... Bredigite
Narrower term..... Wollastonite
Narrower term..... Foshagite
Narrower term..... Afwillite
Narrower term..... Nekoite
Narrower term..... Anorthite
Narrower term..... Raolin
Narrower term..... Gehlenite
Narrower term..... Halloysite
Narrower term..... Zeolites
Narrower term..... Okenite
Narrower term..... Fullers earth
Narrower term..... Hillebrandite
Narrower term..... Attapulgit
Narrower term..... Monticellite
Narrower term..... Spurrite
Related term..... Silica minerals
Used for..... silicate materials
Used for..... silicate minerals

Term: Siliceous aggregates

Broader term..... Aggregates
Broader term..... Reactive aggregates
Related term..... Quartz

Term: Silicon chlorides

Broader term..... Chlorides
Broader term..... Silicon compounds

Term: Silicon compounds

Narrower term..... Calcium silicate hydrates (CSH)
Narrower term..... Calcium aluminosilicate hydrates
Narrower term..... Tricalcium silicates (C3S)
Narrower term..... Silica gel

Narrower term..... Silica flour
Narrower term..... Calcium aluminosilicates
Narrower term..... Calcium silicates
Narrower term..... Silicon dioxide
Narrower term..... Dicalcium silicates (C2S)
Narrower term..... Silicon chlorides
Narrower term..... Silicone resins

Term: Silicon dioxide

Narrower term..... Opal
Narrower term..... Quartz
Narrower term..... Silica gel
Related term..... Sands
Broader term..... Silicon compounds
Broader term..... Oxides
Narrower term..... Cristobalite
Narrower term..... Silica flour
Related term..... Silica minerals
Used for..... Silicon oxides
Used for..... Silica

Term: Silicon oxides

Use..... Silicon dioxide

Term: Silicone resins

Broader term..... Silicon compounds
Related term..... Plastics
Related term..... Elastomers

Term: Silicosis

Term: Sillimanite

Broader term..... Silicates

Term: Silos

Broader term..... Storage structures
Broader term..... Farm buildings
Broader term..... Structures
Broader term..... Cement storage
Related term..... Grain elevators
Related term..... Bins

Term: Silts

Use..... Deleterious substances

Term: Single

Related term..... Axle loads

Term: single family homes

Use..... Houses

Term: Single span bridges

Broader term..... Bridges

Term: Sinter (material)

Related term..... Sintering
Related term..... Clinker
Related term..... Lightweight aggregates

Term: Sintering

Related term..... Kilns
Related term..... Agglomeration
Related term..... Sinter (material)

Term: Siphons

Related term..... Irrigation canals
Related term..... Pipes (tubes)
Related term..... Concrete pipes

Term: Sisal

Term: Site preparation

Broader term..... Construction

Term: Site work

Term: size reduction

Use..... Comminution

Term: Size screening

Broader term..... Separation
Related term..... Sizing screens
Related term..... Particle size distribution
Related term..... Sieve analysis
Used for..... Screening (sizing)

Term: Sizing screens

Broader term..... Separators
Narrower term..... Vibrating screens
Related term..... Size screening
Related term..... Sieves
Used for..... Screens (sizing)

Term: Skew bridges

Broader term..... Bridges

Term: Skid resistance

Related term..... Concrete pavements
Related term..... Pavements
Related term..... Floors
Used for..... traction
Related term..... Hydroplaning
Related term..... Friction

Term: skyscrapers

Use..... High rise buildings

Term: Slab jacking

Term: Slab on ground construction

Broader term..... Construction
Broader term..... Slabs
Broader term..... Concrete construction
Related term..... Mud jacking
Related term..... Parking facilities

Term: Slab tracks

Broader term..... Slabs
Broader term..... Railroad tracks
Related term..... Railroads
Used for..... concrete tracks
Used for..... ballastless tracks

Term: Slabs

Broader term..... Structural members
Narrower term..... Slab on ground construction
Narrower term..... Hollow core slabs
Related term..... Footings
Related term..... Plates (structural members)
Related term..... Lift slab construction
Broader term..... Building components
Narrower term..... Waffle slabs
Narrower term..... Slab tracks
Narrower term..... One way slabs
Narrower term..... Flat slabs
Narrower term..... Two way slabs
Used for..... flatwork
Used for..... concrete slabs

Term: Slag cements

Broader term..... Hydraulic cements
Broader term..... Cements
Narrower term..... Portland slag cements
Related term..... Supersulfated cements
Related term..... Supplementary cementing materials (SCM)

Term: Slags

Related term..... Lightweight aggregates
Related term..... Aggregates
Broader term..... Synthetic aggregates
Broader term..... Pozzolans
Narrower term..... Expanded slag aggregates

Narrower term..... Blast furnace slag
Related term..... Portland cement raw materials
Related term..... Cinders
Related term..... Air cooled slags
Term: Slates
Related term..... Expanded slate aggregates
Related term..... Lightweight aggregates
Term: Slenderness ratio
Related term..... Masonry walls
Related term..... Columns
Term: slip form construction
Use..... Slipform construction
Term: Slipform construction
Broader term..... Formwork
Broader term..... Concrete construction
Related term..... Jacking
Related term..... Paving
Used for..... slip form construction
Used for..... formless paving
Term: Slippage
Related term..... Prestress loss
Related term..... Prestressing
Term: Slope protection
Related term..... Embankments
Related term..... Backslope paving
Term: Slope variance
Term: Slots
Related term..... Openings
Term: Slotted floors
Broader term..... Floors
Related term..... Farm buildings
Term: Sludge
Broader term..... Waste materials
Related term..... Waste materials utilization
Related term..... Portland cement raw materials
Related term..... Fuels
Term: Slump loss
Related term..... Slump tests
Term: Slump tests
Broader term..... Tests
Broader term..... Consistency tests
Related term..... Slump loss
Related term..... No-slump concrete
Term: Slurries
Related term..... Portland cement raw materials
Term: Slurry
Term: Slurry infiltrated fiber concrete.
Term: Slurry tanks
Term: slurry trenches
Use..... Slurry walls
Term: Slurry walls
Broader term..... Cutoff walls
Used for..... slurry trenches
Term: Small angle scattering
Use..... X ray diffraction spectrometry (XRD)
Term: Smoke
Related term..... Dust
Related term..... Air pollution
Related term..... Fires
Term: Smoke detectors
Broader term..... Warning systems
Term: smoke stacks

Use..... Chimneys

Term: smokestacks

Use..... Chimneys

Term: Soaking

Use..... Atmospheric pressure steam curing

Term: Soaps

Related term..... Detergents

Related term..... Wetting agents

Related term..... Surfactants

Term: Sodium

Term: Sodium chloride (NaCl)

Broader term..... Chlorides

Used for..... salt

Broader term..... Sodium inorganic compounds

Term: Sodium chlorides

Term: Sodium hydroxide

Broader term..... Hydroxides

Related term..... Alkalies

Broader term..... Sodium inorganic compounds

Used for..... Caustic soda

Term: Sodium inorganic compounds

Narrower term..... Sodium oxides

Narrower term..... Sodium chloride (NaCl)

Narrower term..... Sodium hydroxide

Narrower term..... Sodium nitrate

Term: Sodium nitrate

Broader term..... Nitrites

Broader term..... Sodium inorganic compounds

Term: Sodium nitrite

Broader term..... Nitrites

Term: Sodium oxides

Broader term..... Oxides

Broader term..... Alkalies

Broader term..... Sodium inorganic compounds

Term: Sodium sulfates (Na₂SO₄)

Broader term..... Sulfates

Used for..... thenardite

Used for..... alkali sulfates

Term: Soil cement

Broader term..... Soil stabilization

Broader term..... Portland cements

Related term..... Pavements

Related term..... Concretes

Narrower term..... Radius of curvature

Narrower term..... Cement-treated bases (CTB)

Narrower term..... Substructures

Narrower term..... Central mixing plants

Related term..... Lime modified soils

Related term..... Freeze-thaw brush loss

Related term..... Earth dams

Related term..... Wet-dry brush loss

Related term..... Compaction delay

Related term..... Cements

Related term..... Cement modified soils (CMS)

Used for..... cement treated soils

Used for..... cement modified soils

Term: soil cement bases

Use..... Cement-treated bases (CTB)

Term: soil cement subbases

Use..... Cement-treated bases (CTB)

Term: Soil classification

Broader term..... Soils

Related term..... Soil tests

Term: Soil compacting

Broader term..... Compaction [concrete]

Related term..... Soil tests

Broader term..... Soil mechanics

Broader term..... Soil stabilization

Related term..... Compaction tests

Term: Soil compressibility

Broader term..... Soil mechanics

Related term..... Resilient modulus (MR)

Term: Soil erosion

Broader term..... Erosion

Broader term..... Soils

Narrower term..... Beach erosion

Related term..... Runoff

Related term..... Cribbing

Term: Soil lime mixtures

Use..... Lime modified soils

Term: Soil mechanics

Narrower term..... Subgrades

Narrower term..... Soil structure interaction

Narrower term..... Consolidation

Narrower term..... Soil compacting

Related term..... Field tests

Related term..... Foundations

Related term..... Earthquakes

Broader term..... Soils

Broader term..... Civil engineering

Narrower term..... Bearing capacity

Narrower term..... Soil compressibility

Narrower term..... Resilient modulus (MR)

Narrower term..... Soil stabilization

Related term..... Excavation

Related term..... Earth pressure

Related term..... Underground structures

Related term..... Uplift pressure

Term: soil modulus of subgrade reaction

Use..... Resilient modulus (MR)

Term: Soil stabilization

Broader term..... Compaction [concrete]

Broader term..... Soil mechanics

Narrower term..... Soil compacting

Broader term..... Stabilization

Broader term..... Soils

Narrower term..... Soil cement

Narrower term..... Cement modified soils (CMS)

Narrower term..... Controlled low strength materials (CLSM)

Related term..... Bearing capacity

Term: Soil structure interaction

Narrower term..... Frost heave

Broader term..... Soil mechanics

Term: Soil tests

Broader term..... Tests

Related term..... Field tests

Related term..... Soil classification

Related term..... Atterberg limits

Related term..... Soil compacting

Related term..... Bearing capacity

Term: Soils

Narrower term..... Plasticity

Narrower term..... Expansive soils

Narrower term..... Soil mechanics
Narrower term..... Embankments
Narrower term..... Soil erosion
Narrower term..... Sands
Narrower term..... Earth dams
Narrower term..... Soil stabilization
Narrower term..... Soil classification
Narrower term..... Clay soils
Narrower term..... Sulfate soils
Narrower term..... Cohesive soils
Related term..... Plastic limit
Related term..... Plasticity index
Related term..... Angle of repose
Term: Soils stability
Related term..... Bearing capacity
Term: Solar cells
Term: Solar energy
Narrower term..... Passive solar energy
Related term..... Earth sheltered structures
Term: Solidification/stabilization
Used for..... fixation
Related term..... Consolidation
Term: Solubility
Broader term..... Physical properties
Related term..... Crystallization
Term: Solvents
Related term..... Cleaning agents
Term: Sonic apparatus
Use..... Sonic tests
Term: Sonic tests
Broader term..... Nondestructive tests
Broader term..... Physical tests
Related term..... Concretes
Related term..... Freeze thaw durability
Related term..... Dynamic modulus of elasticity
Related term..... Dynamic tests
Related term..... Resonant frequency
Used for..... Sonic apparatus
Used for..... E scope
Used for..... Torsional resonant frequencies
Used for..... Flexural resonant frequencies
Term: Sonic tests (velocity)
Use..... Ultrasonic tests
Term: Soniscope
Use..... Ultrasonic tests
Term: sored cements
Use..... Magnesium cements
Term: Sorption
Related term..... Surface properties
Related term..... Absorption
Related term..... Adsorption
Term: Sound absorption
Use..... Sound transmission
Term: Sound transmission
Related term..... Noise reduction
Related term..... Absorption
Related term..... Acoustic insulation
Related term..... Acoustics
Used for..... Sound absorption
Term: Soundness
Broader term..... Portland cement physical properties
Related term..... Magnesium oxides (MgO)

Related term..... Autoclave tests

Related term..... Pat tests

Used for..... Unsoundness

Term: Soundproofing

Use..... Acoustic insulation

Term: spacers

Term: spacing factor

Use..... Air entrained concretes

Use..... Air entrainment

Term: Spalling

Broader term..... Surface defects

Related term..... Corrosion

Term: Span to depth ratio

Term: Spandrel beams

Broader term..... Beams

Term: Spans

Narrower term..... Long spans

Term: Special cements

Term: Special structures

Term: Specific area determination

Use..... Specific surface

Term: Specific gravity

Use..... Density (mass/volume)

Term: Specific heat

Broader term..... Physical properties

Broader term..... Thermodynamic properties

Related term..... Thermal conductivity (k)

Related term..... Heat capacity

Used for..... thermal capacity

Term: Specific surface

Related term..... Porosity

Related term..... Fineness

Related term..... Cement pastes

Broader term..... Portland cement physical properties

Used for..... Specific area determination

Used for..... BET method

Used for..... Specific surface determination

Term: Specific surface determination

Use..... Specific surface

Term: Specific volume

Use..... Density (mass/volume)

Term: Specific weight

Use..... Density (mass/volume)

Term: Specifications

Related term..... Standards

Related term..... Quality control

Related term..... Construction

Related term..... Building codes

Narrower term..... Performance specifications

Related term..... Performance tests

Term: Specimens

Narrower term..... Discs

Narrower term..... Cylinders

Narrower term..... Capping

Narrower term..... Concrete cubes

Narrower term..... Prisms

Narrower term..... Cores

Term: Spectra

Term: spectrography

Use..... Spectroscopy

Term: Spectrometers

Broader term..... Spectroscopy

Term: spectrometry

Narrower term..... Flame photometry

Term: Spectrophotometry

Broader term..... Chromatography

Broader term..... Spectroscopy

Related term..... Colorimetry

Related term..... Flame photometry

Term: spectroscopic analysis

Use..... Spectroscopy

Term: Spectroscopy

Related term..... Chemical analysis

Narrower term..... X ray spectroscopy

Narrower term..... Spectrometers

Narrower term..... Magnetic resonance

Narrower term..... Absorption spectroscopy

Narrower term..... Spectrophotometry

Narrower term..... Atomic spectroscopy

Narrower term..... Ultraviolet spectroscopy

Narrower term..... Raman spectrometry

Narrower term..... Infrared spectroscopy

Used for..... spectrography

Used for..... emission spectroscopy

Used for..... spectroscopic analysis

Term: Spherical bearings

Use..... Bearings

Term: Spillways

Broader term..... Hydraulic structures

Related term..... Dams

Broader term..... Hydroelectric power generation

Related term..... Water tunnels

Term: Spiral classifiers

Broader term..... Wet classifiers

Broader term..... Classifiers

Term: Spiral columns

Broader term..... Columns

Term: Spiral reinforcement

Related term..... Steel reinforcement

Term: Splice length

Broader term..... Detailing

Broader term..... Steel reinforcement

Term: Splicing

Related term..... Shoring

Related term..... Steel reinforcement

Related term..... Lap connections

Term: split cylinder tests

Use..... Splitting tensile strength

Term: Splitting tensile strength

Broader term..... Tensile strength

Related term..... Tension tests

Used for..... split cylinder tests

Used for..... tensile splitting strength

Term: Spontaneous combustion

Related term..... Explosions

Term: Sprayed coatings

Broader term..... Coatings

Related term..... Organic coatings

Related term..... Abrasion resistant coatings

Related term..... Paints

Related term..... Protective coatings

Term: sprayed concrete

Use..... Shotcrete

Term: Sprinkler systems

Related term..... Fire detection systems

Related term..... Fire alarm systems

Related term..... Fire protection

Term: Spun concrete

Broader term..... Concretes

Term: Spurrite

Broader term..... Silicates

Term: Squat walls

Broader term..... Walls

Broader term..... Structural walls

Term: Stability

Related term..... Vibration

Related term..... Durability

Related term..... Damping

Related term..... Dynamic response

Broader term..... Dynamic characteristics

Related term..... Angle of repose

Term: Stability methods

Broader term..... Structural analysis

Related term..... Equilibrium methods

Related term..... Matrix methods

Related term..... Complementary energy methods

Term: Stabilization

Narrower term..... Soil stabilization

Related term..... Consolidation

Related term..... Compaction [concrete]

Term: stack emissions

Use..... Flue gases

Term: stack gases

Use..... Flue gases

Term: Stadiums

Broader term..... Buildings

Broader term..... Recreational facilities

Used for..... Arenas

Broader term..... Public buildings

Used for..... Grandstands

Used for..... Coliseums

Term: Staged combustion

Broader term..... Combustion

Term: Stain removal

Use..... Staining

Term: Staining

Related term..... Degradation

Related term..... Discoloration

Related term..... Corrosion tests

Related term..... Colors (materials)

Related term..... Efflorescence

Related term..... Corrosion

Related term..... Damage

Related term..... Chemical tests

Used for..... Stains

Used for..... Stain removal

Term: Stainless steel

Broader term..... Steels

Term: Stains

Use..... Staining

Term: Stairs

Broader term..... Concrete products

Related term..... Steps

Term: Stairways

Broader term..... Building components

Term: Stamped concrete

Broader term..... Concretes

Broader term..... Finishing

Term: Standard deviation

Related term..... Quality control

Related term..... Moments

Related term..... Statistical analysis

Related term..... Coefficient of variation

Related term..... Variability

Term: Standards

Related term..... Tolerances (Mechanics)

Related term..... Quality control

Narrower term..... Building codes

Narrower term..... Codes

Related term..... Specifications

Related term..... Control charts

Related term..... Criteria

Related term..... Calibrating

Related term..... Acceptability

Related term..... Performance tests

Term: stannous chloride

Term: stannous sulfate

Term: State of the art studies

Use..... Reviews

Term: Static loads

Broader term..... Loads (forces)

Related term..... Live loads

Related term..... Earth pressure

Used for..... dead loads

Term: Static structural analysis

Broader term..... Structural analysis

Narrower term..... Statically indeterminate structures

Related term..... Equilibrium methods

Related term..... Finite element method

Related term..... Compatibility methods

Related term..... Matrix methods

Related term..... Elastic analysis

Related term..... Energy methods

Related term..... Plastic analysis

Related term..... Flexibility methods

Related term..... Strain energy methods

Related term..... Unit load method

Term: Static tests

Broader term..... Tests

Narrower term..... Creep tests

Related term..... Quality control

Related term..... Nondestructive tests

Related term..... Shear tests

Related term..... Tension tests

Related term..... Mechanical tests

Related term..... Torsion tests

Broader term..... Physical tests

Narrower term..... Stress relaxation tests

Related term..... Dynamic tests

Related term..... Wear tests

Related term..... Hydrostatic tests

Term: Statically indeterminate structures

Related term..... Plastic analysis

Related term..... Finite element method

Related term..... Structural analysis

Broader term..... Static structural analysis

Related term..... Limit design method

Related term..... Structural dynamics

Related term..... Strain energy methods
Related term..... Energy methods
Related term..... Compatibility methods
Related term..... Matrix methods
Related term..... Flexibility methods
Related term..... Elastic analysis
Related term..... Equilibrium methods
Related term..... Unit load method
Related term..... Deformation methods
Related term..... Complementary energy methods
Related term..... Yield line method
Related term..... Stiffness methods

Term: Statistical analysis

Related term..... Quality control
Used for..... analysis
Narrower term..... Statistical quality control
Narrower term..... Statistical tests
Narrower term..... Regression analysis
Narrower term..... Coefficient of variation
Narrower term..... Confidence limits
Related term..... Dynamic tests
Related term..... Statistical samples
Related term..... Standard deviation
Related term..... Samples
Used for..... Analysis of variance
Used for..... Statistical methods

Term: Statistical methods

Use..... Statistical analysis
Term: Statistical quality control
Broader term..... Statistical analysis

Term: Statistical samples

Broader term..... Samples
Related term..... Quality control
Related term..... Statistical analysis

Term: Statistical tests

Broader term..... Statistical analysis
Related term..... Confidence limits

Term: Statistics

Term: Statues

Broader term..... Concrete products
Broader term..... Sculpture

Term: Stay cables

Broader term..... Cable stayed bridges
Broader term..... Cables (ropes)

Term: steam cured lightweight concretes

Use..... Autoclaved cellular concretes (ACC)

Term: Steam curing

Broader term..... Curing
Narrower term..... Autoclaving
Narrower term..... High pressure steam curing
Narrower term..... Atmospheric pressure steam curing
Related term..... Presteamming period
Related term..... Hydrothermal reactions
Used for..... heat curing

Term: Stearates

Related term..... Esters

Term: Stearic acid

Broader term..... Organic acids

Term: steel

Term: Steel construction

Broader term..... Construction
Related term..... Structural steels

Term: Steel fibers

Broader term..... Steels

Broader term..... Metal fibers

Term: Steel reinforcement

Broader term..... Reinforcing materials

Broader term..... Bar reinforcement

Narrower term..... Welded wire fabric

Narrower term..... Construction materials

Narrower term..... Prestressing steels

Related term..... Splicing

Used for..... reinforcing bars

Broader term..... Reinforced concrete

Broader term..... Steels

Narrower term..... Reinforcement cages

Narrower term..... Hooked reinforcement

Narrower term..... Hoops

Narrower term..... Detailing

Narrower term..... Web reinforcement

Narrower term..... Bundled reinforcement

Narrower term..... Ties (reinforcement)

Narrower term..... Splice length

Related term..... Confined concrete

Related term..... Spiral reinforcement

Related term..... Reinforced masonry

Related term..... Cover

Related term..... Bending

Related term..... Stirrups

Related term..... Embedment

Related term..... Elastic limit

Used for..... rebar

Used for..... deformations (reinforcing steels)

Used for..... concrete steel

Used for..... deformation (Reinforcing steels)

Used for..... deformed reinforcement

Term: Steels

Broader term..... Construction materials

Narrower term..... Steel reinforcement

Narrower term..... Steel fibers

Narrower term..... Prestressing steels

Narrower term..... Stainless steel

Narrower term..... High strength steels

Narrower term..... Structural steels

Narrower term..... Carbon steel

Broader term..... Metals

Narrower term..... Heat resistant steels

Term: Steps

Broader term..... Concrete products

Related term..... Stairs

Term: Stiffness

Broader term..... Mechanical properties

Related term..... Deformation (Elastic and inelastic)

Related term..... Flexural strength

Related term..... Bending

Related term..... Modulus of elasticity

Related term..... Tensile properties

Term: Stiffness methods

Broader term..... Compatibility methods

Broader term..... Structural analysis

Related term..... Elastic analysis

Related term..... Statically indeterminate structures

Broader term..... Matrix methods

Narrower term..... Unit displacement method

Related term..... Deformation methods

Related term..... Energy methods

Term: Stilling

Term: Stilling basins

Broader term..... Hydroelectric power generation

Term: Stirrups

Related term..... Steel reinforcement

Term: Stochastic processes

Related term..... Mathematical models

Related term..... Monte carlo method

Term: Stockpiling

Related term..... Portland cement clinker

Related term..... Aggregates

Broader term..... Storage structures

Related term..... Angle of repose

Related term..... Cement storage

Related term..... Materials handling

Term: Stoichiometry

Term: Stones (rock)

Use..... Rocks

Term: Storage structures

Narrower term..... Bins

Narrower term..... Stockpiling

Narrower term..... Cement storage

Narrower term..... Silos

Narrower term..... Grain elevators

Narrower term..... Tanks (Containers)

Narrower term..... Storage tanks

Related term..... Materials handling

Term: Storage tanks

Broader term..... Storage structures

Broader term..... Tanks (Containers)

Related term..... Underground storage

Term: Strain energy methods

Broader term..... Structural analysis

Broader term..... Energy methods

Related term..... Statically indeterminate structures

Related term..... Compatibility methods

Related term..... Static structural analysis

Related term..... Equilibrium methods

Related term..... Plastic analysis

Related term..... Elastic analysis

Related term..... Structural dynamics

Related term..... Complementary energy methods

Term: Strain gages

Related term..... Mechanical tests

Related term..... Extensometers

Broader term..... Measuring instruments

Broader term..... Strain measuring instruments

Broader term..... Load cells

Related term..... Tensiometers

Related term..... Strains

Term: Strain hardening

Related term..... Strains

Term: Strain measuring instruments

Broader term..... Measuring instruments

Narrower term..... Extensometers

Narrower term..... Strain gages

Related term..... Load cells

Broader term..... Instruments

Narrower term..... Tensiometers

Term: Strains

Related term..... Creep
Related term..... Deflection
Related term..... Strain gages
Related term..... Torsion tests
Related term..... Mechanical properties
Related term..... Limiting strain
Related term..... Deformation (Elastic and inelastic)
Related term..... Residual stress
Related term..... Stresses
Related term..... Extensibility
Related term..... Poisson's ratio
Related term..... Buckling
Related term..... Tensile properties
Related term..... Strain hardening

Term: Strand blanketing

Broader term..... Prestressing

Term: Strands

Use..... Prestressing steels

Term: Stratlingite

Term: Stray current corrosion

Broader term..... Corrosion

Term: Stream gages

Broader term..... Measuring instruments

Term: Streets

Broader term..... Pavements

Related term..... Highways

Related term..... Concrete pavements

Related term..... Roads

Related term..... Driveways

Related term..... Intersections

Related term..... Curbs

Related term..... Culverts

Term: Strength

Narrower term..... Tensile strength

Narrower term..... Shear strength

Narrower term..... Compressive strength

Narrower term..... Yield strength

Narrower term..... Impact strength

Narrower term..... Flexural strength

Related term..... Failure mechanisms

Related term..... Fatigue

Used for..... Ultimate strength

Term: Strength design

Broader term..... Plastic analysis

Broader term..... Structural analysis

Related term..... Flexural strength

Related term..... Strength development

Related term..... Compressive strength

Related term..... Tensile strength

Related term..... Shear strength

Term: Strength development

Related term..... Strength design

Used for..... Early strength

Term: Strength of materials

Use..... Mechanical properties

Term: Strength tests

Broader term..... Tests (Hardened concrete)

Narrower term..... Flexural strength tests

Term: Stress analysis

Broader term..... Structural analysis

Broader term..... Structural engineering

Related term..... Civil engineering

Related term..... Mechanical tests

Related term..... Structural forms

Related term..... Photoelasticity

Related term..... Construction

Related term..... Bending moments

Related term..... Stresses

Related term..... Moments of inertia

Term: Stress block

Related term..... Structural analysis

Term: Stress corrosion

Broader term..... Corrosion

Related term..... Stress corrosion resistance

Related term..... Cracking

Term: Stress corrosion resistance

Related term..... Acid resistance

Broader term..... Corrosion resistance

Related term..... Oxidation

Related term..... Stress corrosion

Related term..... Stress corrosion tests

Related term..... Galvanic corrosion

Related term..... Chemical tests

Related term..... Humidity

Term: Stress corrosion tests

Broader term..... Corrosion tests

Broader term..... Chemical tests

Related term..... Mechanical tests

Related term..... Stress corrosion resistance

Related term..... Fracture tests

Related term..... Galvanic corrosion tests

Term: Stress cycle

Related term..... Cyclic loads

Term: Stress relaxation

Broader term..... Mechanical properties

Related term..... Creep

Related term..... Residual stress

Related term..... Stress relaxation tests

Related term..... Tensile properties

Related term..... Ductility

Related term..... Stresses

Term: Stress relaxation tests

Broader term..... Mechanical tests

Broader term..... Tests

Broader term..... Static tests

Related term..... Tension tests

Related term..... Creep tests

Related term..... Stress relaxation

Related term..... Torsion tests

Used for..... Relaxation tests

Term: Stress strain relationships

Narrower term..... Modulus of elasticity

Term: Stress transfer

Related term..... Prestressing

Used for..... Transfer length

Term: Stress wave propagation tests

Broader term..... Nondestructive tests

Term: Stresses

Related term..... Torsion tests

Related term..... Bending

Related term..... Loads (forces)

Related term..... Tension tests

Related term..... Strains

Related term..... Stress relaxation

Related term..... Creep
Related term..... Mohrs circle
Related term..... Mechanical tests
Related term..... Shear properties
Narrower term..... Shear stress
Narrower term..... Residual stress
Narrower term..... Normal stress
Narrower term..... Compressive stress
Narrower term..... Tensile stress
Narrower term..... Radial stress
Narrower term..... Thermal stresses
Narrower term..... Bond stress
Related term..... Impact
Related term..... Bauschinger effect
Related term..... Shock mechanics
Related term..... Tension
Related term..... Earth pressure
Related term..... Tensile properties
Related term..... Stress analysis

Term: Stringers

Broader term..... Beams
Related term..... Joists

Term: Strontium

Broader term..... Trace metals
Term: Strontium aluminates
Broader term..... Aluminum inorganic compounds

Term: Strontium cements

Broader term..... Cements
Broader term..... Strontium inorganic compounds

Term: Strontium compounds

Related term..... Alkaline earth compounds

Term: Strontium inorganic compounds

Narrower term..... Strontium cements

Term: Structural analysis

Broader term..... Structures
Narrower term..... Structural members
Broader term..... Structural engineering
Narrower term..... Finite element method
Narrower term..... Equilibrium methods
Narrower term..... Static structural analysis
Narrower term..... Unit displacement method
Narrower term..... Stress analysis
Narrower term..... Complementary energy methods
Narrower term..... Limit design method
Narrower term..... Strain energy methods
Narrower term..... Stability methods
Narrower term..... Plastic analysis
Narrower term..... Energy methods
Narrower term..... Structural dynamics
Narrower term..... Stiffness methods
Narrower term..... Strength design
Narrower term..... Unit load method
Narrower term..... Matrix methods
Narrower term..... Elastic analysis
Narrower term..... Flexibility methods
Narrower term..... Yield line method
Narrower term..... CANDE (Computer program)
Narrower term..... Deformation methods
Narrower term..... Compatibility methods
Related term..... Membrane theory (Shells)
Related term..... Structural design
Related term..... Working stress method

Related term..... Influence lines
Related term..... Stress block
Related term..... Statically indeterminate structures
Related term..... Structural forms
Used for..... design analysis
Used for..... frame analysis
Used for..... analysis
Term: Structural bolts
Broader term..... Bolts
Broader term..... Fasteners
Broader term..... Anchor bolts
Related term..... High strength bolts
Term: Structural clay products
Narrower term..... Bricks
Related term..... Construction materials
Related term..... Masonry
Related term..... Clays
Narrower term..... Firebrick
Narrower term..... Ceramic tiles
Term: Structural design
Narrower term..... Computerized design
Narrower term..... Structural members
Narrower term..... Load and resistance factor design (LRFD)
Related term..... Structural forms
Related term..... Structural analysis
Related term..... Architecture
Related term..... Structures
Related term..... Detailing
Broader term..... Structural engineering
Narrower term..... Safety factor
Used for..... building design
Used for..... design
Term: Structural dynamics
Broader term..... Structural analysis
Related term..... Statically indeterminate structures
Related term..... Finite element method
Related term..... Matrix methods
Related term..... Energy methods
Related term..... Strain energy methods
Related term..... Elastic analysis
Related term..... Compatibility methods
Used for..... dynamic structural analysis
Term: structural elements
Use..... Structural members
Term: Structural engineering
Broader term..... Engineering
Narrower term..... Structural design
Narrower term..... Structural analysis
Narrower term..... Structural forms
Related term..... Civil engineering
Related term..... Construction
Narrower term..... Stress analysis
Narrower term..... Structures
Term: structural failure
Use..... Failure
Term: Structural forms
Narrower term..... Frames
Narrower term..... Shells (structural forms)
Narrower term..... Arches
Related term..... Structural members
Related term..... Structures
Related term..... Structural analysis

Broader term..... Structural engineering
 Narrower term..... Suspended structures
 Narrower term..... Domes (Structural forms)
 Narrower term..... Folded plates
 Related term..... Stress analysis
 Related term..... Structural design
 Related term..... Architecture
Term: Structural insulated panels (SIP)
Term: Structural lightweight concretes
 Use..... Lightweight aggregate concretes
Term: structural loading
 Use..... Loads (forces)
Term: structural materials
 Use..... Construction materials
Term: Structural members
 Narrower term..... Beams
 Related term..... Prestressing
 Related term..... Bar reinforcement
 Broader term..... Moment distribution
 Broader term..... Structural design
 Broader term..... Structures
 Broader term..... Structural analysis
 Narrower term..... Columns
 Narrower term..... Piers
 Narrower term..... Diaphragms (concrete)
 Narrower term..... Plates (structural members)
 Narrower term..... Slabs
 Narrower term..... Caps (supports)
 Related term..... Structural forms
 Related term..... Moments
 Related term..... Piles
 Related term..... Webs (supports)
 Used for..... structural elements
Term: Structural plastics
 Related term..... Plastics
Term: Structural steels
 Related term..... Prestressing steels
 Related term..... High strength steels
 Broader term..... Steels
 Broader term..... Construction materials
 Related term..... Steel construction
Term: Structural walls
 Broader term..... Walls
 Narrower term..... Masonry load bearing walls
 Related term..... Lateral pressure
 Related term..... Bearing walls
 Related term..... Shear properties
 Related term..... Live loads
 Related term..... Dynamic loads
 Used for..... Shear walls
 Narrower term..... Pierced walls
 Narrower term..... Coupled walls
 Narrower term..... Squat walls
 Narrower term..... Isolated walls
 Related term..... Wind pressure
Term: Structures
 Broader term..... Structural engineering
 Narrower term..... Suspended structures
 Narrower term..... Harbor structures
 Narrower term..... Earthquake resistant structures
 Narrower term..... Roads
 Narrower term..... Sandwich structures

Narrower term..... Substructures
Narrower term..... Structural members
Narrower term..... Tanks (Containers)
Narrower term..... Shells (structural forms)
Narrower term..... Silos
Related term..... Construction
Narrower term..... Tunnels
Narrower term..... Hydraulic structures
Narrower term..... Bridges
Narrower term..... Foundations
Narrower term..... Cable stayed structures
Narrower term..... Underground structures
Narrower term..... Buildings
Narrower term..... Blast resistant structures
Narrower term..... Offshore structures
Narrower term..... Earth sheltered structures
Narrower term..... Structural analysis
Related term..... Models
Related term..... Structural design
Related term..... Structural forms
Used for..... concrete structures

Term: Strut-and-tie models

Broader term..... Models

Term: Stucco

Related term..... Portland cements
Related term..... Architectural concrete
Related term..... Pumped concrete
Broader term..... Plastic cements
Broader term..... Portland cement plaster
Broader term..... Construction materials
Narrower term..... Exterior insulation and finish systems (EIFS)
Related term..... Mortars
Related term..... Lime cements

Term: Studded tires

Related term..... Tires

Term: Studs

Related term..... Bolts
Related term..... Lugs
Related term..... Fasteners
Related term..... Anchors (fasteners)
Related term..... Columns
Related term..... Powder actuated fasteners

Term: Styrene butadiene resins

Broader term..... Elastomers
Related term..... Latex

Term: Styrofoam beads

Term: Subbases

Broader term..... Pavements
Narrower term..... Cement-treated bases (CTB)
Related term..... Econcrete
Related term..... Lean concretes
Related term..... Pavement pumping
Related term..... Subgrades

Term: Subgrades

Related term..... Subbases
Broader term..... Soil mechanics
Broader term..... Pavements
Related term..... Resilient modulus (MR)
Related term..... Heaving

Term: Subsidence

Broader term..... Shrinkage
Broader term..... Volume change

Related term..... Bleeding (Fresh concrete)

Used for..... Settlement shrinkage

Term: Substructures

Broader term..... Soil cement

Narrower term..... Piles

Narrower term..... Deep foundations

Narrower term..... Foundations

Related term..... Footings

Related term..... Underpinning

See also... Underground structures

See also... Supports

Broader term..... Structures

Narrower term..... Piers

Term: Subways

Related term..... Tunnels

Term: sucrose

Term: sugarcane bagasse

Use..... Bagasse

Term: Sugars

Term: Sulfate attack

Broader term..... Deterioration

Narrower term..... Thaumasite (TSA)

Related term..... Salt water

Related term..... Sulfate resistant cements

Term: Sulfate reducing bacteria

Related term..... Corrosion

Term: Sulfate resistance

Broader term..... Concrete durability

Related term..... Marine atmospheres

Related term..... Sulfate resistant cements

Term: Sulfate resistance test (ASTM C 1012)

Broader term..... Tests (Hardened concrete)

Broader term..... Durability tests

Term: Sulfate resistant cements

Broader term..... Hydraulic cements

Broader term..... Portland cements

Related term..... Sulfate resistance

Related term..... Sulfate attack

Used for..... type V cements

Used for..... portland cement type V

Used for..... type 5 cements

Used for..... portland cement type 5

Term: Sulfate soils

Broader term..... Soils

Used for..... Alkali soils

Term: Sulfates

Narrower term..... Gypsum

Narrower term..... Ettringite

Related term..... Clays

Narrower term..... Calcium sulfates

Narrower term..... Potassium sulfates (K₂SO₄)

Narrower term..... Hemihydrate

Narrower term..... Barite

Narrower term..... Barium sulfates

Narrower term..... Anhydrite

Narrower term..... Magnesium sulfates

Narrower term..... Sodium sulfates (Na₂SO₄)

Term: Sulfides

Narrower term..... Hydrogen sulfide

Narrower term..... Pyrite

Term: Sulfite waste liquor

Use..... Lignin and derivatives

Term: Sulfites

Narrower term..... Pyrite

Term: sulfoaluminate cements

Use..... Type K expansive cement

Term: Sulfonated oil

Broader term..... Oils

Term: Sulfonates

Related term..... Esters

Term: Sulfonic acids

Broader term..... Organic acids

Term: sulfosalicylic acid

Term: Sulfur

Related term..... Pyrite

Term: Sulfur chlorides

Broader term..... Chlorides

Term: Sulfur concretes

Broader term..... Concretes

Term: Sulfur dioxide (SO₂)

Related term..... Scrubbers

Term: Sulfur modified concrete

Broader term..... Concretes

Term: Sulfur organic acid esters

Related term..... Esters

Term: Sulfur oxides

Related term..... Air pollution

Broader term..... Oxides

Broader term..... Flue gases

Term: Sulfur trioxide (SO₃)

Term: Sulfuric acid

Term: Sulphate-resistant concrete

Term: Super water reducers

Use..... Superplasticizers

Term: Super-flat floors

Term: Supermarkets

Broader term..... Shopping centers

Term: Superplasticizers

Broader term..... Plasticizers

Related term..... Dispersants

Related term..... Water reducing admixtures

Related term..... Air entraining admixtures

Related term..... Wetting agents

Related term..... Surfactants

Related term..... Foaming agents

Related term..... Waterproofing admixtures

Used for..... Super water reducers

Used for..... high slump concrete

Term: Supersulfated cements

Broader term..... Hydraulic cements

Broader term..... Cements

Related term..... Gypsum

Related term..... Anhydrite

Related term..... high alumina cements

Related term..... Slag cements

Term: Supplementary cementing materials (SCM)

Narrower term..... Calcined shale

Narrower term..... Tuff

Narrower term..... Calcined clay

Narrower term..... Metakaolin

Narrower term..... Fly ash

Narrower term..... Blast furnace slag

Narrower term..... Silica fume

Narrower term..... Rice husk ash

Related term..... Slag cements
Broader term..... Pozzolans
Related term..... Natural pozzolans
See from... mineral admixtures
Used for..... supplementary cementitious materials
Used for..... alternative materials
Term: supplementary cementitious materials
Use..... Supplementary cementing materials (SCM)

Term: Supports
Narrower term..... Piles
Narrower term..... Shoring
Narrower term..... Underpinning
See also... Foundations
Narrower term..... Piers
See also... Substructures

Term: Surfactants
Related term..... Detergents
Term: Surface active agents
Use..... Surfactants

Term: Surface area
Use..... Area

Term: surface blemishes
Use..... Surface defects

Term: surface bonding
Use..... Bonding

Term: Surface chloride profile tests (SCPT)

Broader term..... Deicer scaling
Broader term..... Chemical tests
Related term..... Chlorides

Term: surface coatings
Use..... Coatings

Term: Surface defects
Narrower term..... Discoloration
Narrower term..... Craze
Narrower term..... Popouts
Narrower term..... Scaling
Narrower term..... Delamination
Narrower term..... Curling
Narrower term..... Efflorescence
Narrower term..... Voids
Broader term..... Surface properties
Narrower term..... Dusting
Narrower term..... Honeycombing
Narrower term..... Blistering
Narrower term..... Cracking
Narrower term..... Spalling
Narrower term..... Plastic shrinkage cracking

Used for..... blemishes
Used for..... defects
Used for..... air voids
Used for..... surface blemishes
Used for..... bugholes

Term: Surface hardeners
Related term..... Finishes
Used for..... floor hardeners

Term: Surface properties
Narrower term..... Surface defects
Narrower term..... Surface roughness
Related term..... Permeability
Related term..... Mechanical properties
Broader term..... Physical properties
Narrower term..... Pavement smoothness

Narrower term..... Emissivity
Narrower term..... Reflectivity
Narrower term..... Adhesion
Related term..... Texture
Related term..... Diffusion
Related term..... Sorption
Related term..... Capillarity
Related term..... Acoustic properties
Related term..... Viscosity
Related term..... Friction
Related term..... Adsorption

Term: Surface roughness

Narrower term..... Pavement smoothness
Related term..... Field tests
Related term..... Profilometers
Related term..... Concrete pavements
Broader term..... Surface properties
Related term..... Friction
Used for..... road roughness
Used for..... roughness coefficient

Term: surface sealers

Use..... Sealers

Term: surface texture

Term: Surfactants

Broader term..... Admixtures
Related term..... Plasticizers
Related term..... Retarders
Related term..... Superplasticizers
Broader term..... Agents
Related term..... Air entraining admixtures
Related term..... Water reducing admixtures
Related term..... Dispersants
Related term..... Cleaning agents
Related term..... Waterproofing admixtures
Related term..... Wetting agents
Related term..... Foaming agents
Related term..... Emulsifying admixtures
Related term..... Soaps
Related term..... Detergents
Used for..... Surface active agents

Term: Surge tanks

Broader term..... Hydraulic structures

Term: Surveys

Related term..... Civil engineering
Related term..... Construction

Term: Suspended ceilings

Broader term..... Ceilings (architecture)

Term: Suspended structures

Broader term..... Structural forms
Related term..... Shells (structural forms)
Broader term..... Structures
Related term..... Suspension bridges

Term: Suspension bridges

Broader term..... Bridges
Related term..... Suspended structures
Related term..... Rigid frame bridges
Related term..... Railroad bridges
Related term..... Highway bridges
Related term..... Foot bridges

Term: Suspension preheaters

Broader term..... Preheaters
Used for..... cyclone preheaters

Term: sustainable buildings

Use..... Sustainable construction

Term: sustainable cement

Use..... Sustainable manufacturing

Term: Sustainable construction

Narrower term..... Embodied energy

Narrower term..... Green buildings

Used for..... sustainable buildings

Term: Sustainable manufacturing

Used for..... sustainable cement

Term: Swimming pools

Broader term..... Recreational facilities

Broader term..... Concrete products

Term: Swimming pools - Defects

Term: Swirl finish

Broader term..... Finishes

Term: Syngenite

Broader term..... Warehouse set

Term: Synthetic aggregates

Broader term..... Aggregates

Narrower term..... Slags

Narrower term..... Glass aggregates

Narrower term..... Polystyrene beads

Narrower term..... Cinders

Term: Synthetic elastomers

Broader term..... Elastomers

Term: Synthetic fibers

Narrower term..... Nylon fibers

Narrower term..... Glass fibers

Related term..... Mineral wool

Broader term..... Fibers

Term: system C2S, C3S, C3A, C4AF

Use..... Portland cement compound composition

Term: T beams

Broader term..... Beams

Related term..... Channel beams

Related term..... Double T beams

Related term..... Continuous beams

Related term..... Flanges

Related term..... Cantilever beams

Term: Tachometers

Broader term..... Measuring instruments

Term: Taconite

Broader term..... Iron ores

Term: Talc

Broader term..... Clay minerals

Term: tall buildings

Use..... High rise buildings

Term: Tall oil

Broader term..... Oils

Term: Tamped concrete

Broader term..... Concretes

Term: Tamping

Broader term..... Compaction [concrete]

Related term..... Placing

Related term..... Consolidation

Term: Tandem

Related term..... Axle loads

Term: Tangent modulus

Broader term..... Mechanical properties

Related term..... Tensile properties

Related term..... Modulus of elasticity

Term: Tanks (Containers)

Broader term..... Storage structures

Narrower term..... Storage tanks

Broader term..... Structures

Narrower term..... Water tanks

Narrower term..... Rectangular tanks

Narrower term..... Materials handling

Narrower term..... Septic tanks

Related term..... Reservoirs

Related term..... Towers

Related term..... Pressure vessels

Term: Taxiways

Broader term..... Pavements

Related term..... Runways

Broader term..... Airports

Used for..... airport pavements

Term: Temperature

Related term..... Thermal expansion

Related term..... Thermal resistance (R)

Narrower term..... Low temperature

Narrower term..... High temperature

Related term..... Condensation

Related term..... Thermodynamic properties

Related term..... Cryogenics

Related term..... Thermal conductivity (k)

Related term..... Heat

Related term..... Humidity

Related term..... High temperature tests

Related term..... Environments

Related term..... Thermal shock

Related term..... Temperature rise (in concrete)

Related term..... Emissivity

Related term..... Thermal measuring instruments

Related term..... Adiabatic conditions

Related term..... Temperature control

Used for..... Ambient temperature

Used for..... Absolute temperature

Used for..... Atmospheric temperature

Term: Temperature control

Related term..... Air conditioning

Related term..... Temperature

Related term..... Thermal measuring instruments

Related term..... Humidity control

Term: Temperature distribution**Term: temperature gradients**

Use..... Thermal gradients

Term: temperature measuring instruments

Use..... Thermal measuring instruments

Term: Temperature rise (in concrete)

Related term..... Mass concrete

Related term..... Temperature

Related term..... Cooling

Related term..... Low heat cements

Term: Tendons

Use..... Prestressing steels

Term: Tennis courts

Broader term..... Recreational facilities

Term: Tensile bond test

Used for..... pull off tests

Term: Tensile modulus

Use..... Modulus of elasticity

Term: Tensile properties

Broader term..... Mechanical properties
Narrower term..... Tensile strength
Related term..... Tension tests
Related term..... Impact strength
Related term..... Creep
Related term..... Shear properties
Related term..... Stress relaxation
Related term..... Yield strength
Related term..... Strains
Related term..... Modulus of elasticity
Related term..... Tensile stress
Related term..... Stresses
Related term..... Fatigue
Related term..... Ductility
Related term..... Yield point
Related term..... Tangent modulus
Related term..... Hysteresis
Related term..... Bauschinger effect
Related term..... Fracture properties
Related term..... Tension
Related term..... Resilience
Related term..... Stiffness

Term: tensile splitting strength

Use..... Splitting tensile strength

Term: Tensile strength

Broader term..... Mechanical properties
Broader term..... Strength
Broader term..... Tensile properties
Narrower term..... Splitting tensile strength
Related term..... Tension tests
Related term..... Yield point
Related term..... Elastic limit
Related term..... Hydrostatic tests
Related term..... Strength design
Related term..... Yield strength
Related term..... Tensile stress
Related term..... Creep
Related term..... Fracture properties

Term: Tensile stress

Broader term..... Stresses
Related term..... Tension tests
Related term..... Tensile strength
Related term..... Hydrostatic tests
Related term..... Tensile properties
Related term..... Tension

Term: Tensile tests

Use..... Tension tests

Term: Tensiometers

Broader term..... Strain measuring instruments
Broader term..... Measuring instruments
Related term..... Extensometers
Related term..... Strain gages

Term: Tension

Narrower term..... Diagonal tension
Related term..... Stresses
Related term..... Tensile properties
Related term..... Tension tests
Related term..... Tensile stress

Term: Tension tests

Broader term..... Mechanical tests
Related term..... Torsion tests
Related term..... Impact tests

Related term..... Modulus of elasticity
Related term..... Tensile strength
Related term..... Ductility
Related term..... Yield strength
Related term..... Splitting tensile strength
Narrower term..... Fracture tests
Related term..... Tensile stress
Related term..... Shear tests
Related term..... Stress relaxation tests
Related term..... Poisson's ratio
Related term..... Stresses
Related term..... Tensile properties
Related term..... Dynamic tests
Related term..... Static tests
Related term..... Yield point
Related term..... Fatigue tests
Related term..... Hydrostatic tests
Related term..... Tension
Related term..... Creep tests
Used for..... Tensile tests
Term: Ternary cements
Term: Terrazzo
Broader term..... Concretes

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Term: Tertiary air

Broader term..... Pyroprocessing
Related term..... Clinker coolers
Related term..... Primary air
Related term..... Secondary air

Term: Test equipment

Broader term..... Tests
Related term..... Physical tests
Related term..... Measuring instruments
Used for..... Testing machines
Used for..... Testing apparatus

Term: Test plot

Term: Test roads

Broader term..... Roads
Related term..... Field tests
Related term..... Concrete pavements
Broader term..... Pavements
Narrower term..... McPherson test road

Term: testing

Use..... Tests

Term: Testing apparatus

Use..... Test equipment

Term: testing laboratories

Use..... Laboratories

Term: Testing machines

Use..... Test equipment

Term: Tests

Narrower term..... Wetting and drying tests
Narrower term..... Quality control
Narrower term..... Freeze thaw durability
Narrower term..... Field tests
Narrower term..... Slump tests
Narrower term..... Corrosion tests
Narrower term..... Ultrasonic tests
Narrower term..... Nondestructive tests

Narrower term..... Triaxial tests
Narrower term..... Mechanical tests
Narrower term..... Plate load tests
Related term..... Properties

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Narrower term..... Abrasion tests
Narrower term..... Consistency tests
Narrower term..... Autoclave tests
Narrower term..... Dynamic tests
Narrower term..... Fracture tests
Narrower term..... Compaction tests
Narrower term..... Hydrostatic tests
Narrower term..... Plasticity tests
Narrower term..... Radio-isotope
Narrower term..... Thermogravimetric analysis (TGA)
Narrower term..... Fatigue tests
Narrower term..... Static tests
Narrower term..... Accelerated tests
Narrower term..... Stress relaxation tests
Narrower term..... Fire tests
Narrower term..... Performance tests
Narrower term..... High temperature tests
Narrower term..... Bend tests
Narrower term..... Physical tests
Narrower term..... Portland cement physical tests
Narrower term..... Soil tests
Narrower term..... Low temperature tests
Narrower term..... Electrical properties
Narrower term..... Radiography
Narrower term..... Test equipment
Narrower term..... Chemical tests
Used for..... Materials tests
Used for..... testing
Used for..... Material testing

Term: Tests (Fresh concrete)

Narrower term..... Maturity method test (Fresh concrete, ASTM C 918)
Narrower term..... Cement content tests
Narrower term..... Consistency tests
Narrower term..... Sampling concrete
Narrower term..... Bleeding tests (ASTM C 232)
Narrower term..... Air content tests (Fresh concrete)
Narrower term..... Density and yield tests (ASTM C 138)
Narrower term..... Accelerated compressive strength tests (ASTM C 684)

Term: Tests (Hardened concrete)

Narrower term..... Nondestructive tests
Narrower term..... Compressive strength tests
Related term..... Prisms

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Narrower term..... Shear strength tests
Narrower term..... Petrographic analysis (ASTM C 856)
Narrower term..... Break-off test (ASTM C 1150)
Narrower term..... Frost resistance tests
Narrower term..... Modulus of elasticity test (ASTM C 469)
Narrower term..... Volume change test (ASTM C 827)
Narrower term..... Permeability tests
Narrower term..... Carbonation tests

Narrower term..... Strength tests
Narrower term..... Length change test (ASTM C 157)
Narrower term..... Maturity method test (Hardened concrete, ASTM C 1074)
Narrower term..... Chloride content test (ASTM C 1152)
Narrower term..... pH tests
Narrower term..... Sulfate resistance test (ASTM C 1012)
Narrower term..... Moisture content tests
Term: Tetracalcium aluminoferrite (C4AF)
Related term..... Calcium aluminoferrites
Used for..... C4AF
Narrower term..... Ferrite
Term: Textile reinforced concrete
Broader term..... Fiber reinforced concretes
Term: Texture
Narrower term..... Decorative concrete
Related term..... Surface properties
Related term..... Fineness
Narrower term..... Pavement texture
Narrower term..... Shot blasting
Related term..... Road noise
Term: Thaumasite (TSA)
Broader term..... Sulfate attack
Term: Theaters
Broader term..... Buildings
Related term..... Auditoriums
Broader term..... Public buildings
Related term..... Commercial buildings
Term: thenardite
Use..... Sodium sulfates (Na₂SO₄)
Term: Theodolites
Broader term..... Measuring instruments
Term: Theory of elasticity
Use..... Elastic analysis
Term: Thermal analysis

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Related term..... Phase diagrams
Related term..... Thermal measurements
Term: thermal capacity
Use..... Specific heat
Term: Thermal conductance (C)
Term: Thermal conductivity (k)
Broader term..... Conductivity
Broader term..... Thermodynamic properties
Related term..... Low temperature tests
Related term..... Thermal resistance (R)
Related term..... Temperature
Related term..... Thermal diffusivity
Related term..... High temperature tests
Related term..... Heat transfer
Related term..... Electrical properties
Narrower term..... Conduction calorimetry
Related term..... Thermal stresses
Related term..... Specific heat
Used for..... thermal resistivity
Used for..... heat conductivity
Term: Thermal cracking
Broader term..... Cracking
Term: Thermal diffusivity
Broader term..... Thermodynamic properties

Broader term..... Diffusivity
Related term..... Thermal insulation
Related term..... Thermal conductivity (k)
Related term..... Heat transfer
Term: Thermal efficiency
Broader term..... Pyroprocessing
Related term..... Energy conservation
Term: Thermal expansion
Broader term..... Expansion
Related term..... Volume change
Broader term..... Thermodynamic properties
Related term..... Extensometers
Related term..... Warpage
Related term..... Temperature
Used for..... Coefficient of expansion
Used for..... Coefficient of thermal expansion
Term: thermal flow meters
Use..... Heat flow meters
Term: Thermal gradients
Related term..... Thermal stresses
Used for..... Isotherms
Used for..... temperature gradients
Term: thermal inertia
Term: Thermal insulation
Broader term..... Insulation
Related term..... Thermal diffusivity
Related term..... Refractories
Related term..... Air conditioning
Related term..... Heat transfer
Related term..... Heat loss
Used for..... heat insulation
Used for..... Blanket insulation
Term: Thermal mass
Term: Thermal measurements
Broader term..... Heat
Related term..... Heat transfer
Related term..... Thermal analysis
Related term..... Thermodynamic properties
Related term..... Calibrated hot box
Related term..... Guarded hot box
Narrower term..... Thermal measuring instruments
Related term..... Heating load
Related term..... Enthalpy
Related term..... Thermocouples
Used for..... heat measurement
Term: Thermal measuring instruments
Broader term..... Physical tests
Broader term..... Measuring instruments
Broader term..... Thermal measurements
Narrower term..... Bolometers
Narrower term..... Thermocouples
Narrower term..... Heat flow meters
Narrower term..... Resistance thermometers
Narrower term..... Calorimeters
Related term..... Temperature control
Related term..... Temperature
Used for..... Thermometers
Used for..... temperature measuring instruments
Term: thermal properties
Broader term..... Properties
Use..... Thermodynamic properties
Term: Thermal radiation

Related term..... Thermodynamic properties

Related term..... Heat

Term: Thermal resistance (R)

Broader term..... Mechanical properties

Related term..... Thermodynamic properties

Related term..... Low temperature tests

Related term..... High temperature tests

Related term..... Fire resistance

Related term..... Thermal conductivity (k)

Related term..... Degradation

Related term..... Chemical attack

Related term..... Temperature

Used for..... heat resistance

Term: thermal resistivity

Use..... Thermal conductivity (k)

Term: Thermal shock

Related term..... Shock mechanics

Related term..... Thermal stresses

Related term..... Thermodynamic properties

Related term..... High temperature tests

Related term..... Temperature

Related term..... Low temperature tests

Term: thermal storage

Term: Thermal stresses

Broader term..... Stresses

Related term..... Thermal gradients

Related term..... Heat stress

Related term..... Thermal conductivity (k)

Related term..... Thermal shock

Term: Thermal surface conductance (surface to air)

Broader term..... Thermodynamic properties

Related term..... Emissivity

Term: thermal transfer

Use..... Heat transfer

Term: Thermal transmittance (U)

Broader term..... Thermodynamic properties

Term: Thermocouples

Broader term..... Measuring instruments

Related term..... Thermal measurements

Broader term..... Thermal measuring instruments

Term: Thermodynamic properties

Narrower term..... Thermal expansion

Narrower term..... Heat of hydration

Related term..... Thermal resistance (R)

Related term..... Temperature

Used for..... thermal properties

Broader term..... Physical properties

Narrower term..... Thermal surface conductance (surface to air)

Narrower term..... Thermal diffusivity

Narrower term..... Thermal conductivity (k)

Narrower term..... Specific heat

Narrower term..... Thermal transmittance (U)

Narrower term..... Emissivity

Related term..... Thermal shock

Related term..... Thermal radiation

Related term..... Low temperature tests

Related term..... Heat

Related term..... High temperature tests

Related term..... Thermal measurements

Related term..... Reaction kinetics

Term: Thermodynamics

Related term..... Cryogenics

Term: Thermogravimetric analysis (TGA)

Broader term..... Tests

Term: Thermometers

Use..... Thermal measuring instruments

Term: Thermophysical properties

Narrower term..... Emissivity

Term: Thickness

Related term..... Cover

Term: Thickness design

Related term..... Concrete pavements

Term: Thin pavements

Term: Thin sections

Related term..... Polished sections

Term: thin shell structures

Use..... Shells (structural forms)

Term: thin-bonded overlays

Use..... Overlays

Term: Three edge bearing test

Narrower term..... Concrete pipes

Term: Threshold limit value (TLV)

Broader term..... Safety

Term: Tied columns

Broader term..... Columns

Term: ties (railroad)

Use..... Railroad ties

Term: Ties (reinforcement)

Broader term..... Steel reinforcement

Related term..... Masonry

Term: Tile drains

Related term..... Pipes (tubes)

Term: Tiles

Broader term..... Roofing

Broader term..... Concrete products

Related term..... Masonry

Related term..... Grout

Related term..... Bricks

Related term..... Grouting

Term: Tilt up construction

Broader term..... Concrete construction

Broader term..... Construction

Term: Time dependent deflections

Use..... Creep

Term: Time dependent shortening

Use..... Creep

Term: time of setting

Use..... Setting (hardening)

Term: Time of setting tests

Use..... Penetration resistance test (ASTM C 403)

Use..... Penetration resistance test (BS EN 196-3)

Term: Tined finish

Broader term..... Finishes

Broader term..... Pavement texture

Term: tire noise

Use..... Road noise

Term: Tire-derived fuels (TDF)

Broader term..... Waste-derived fuels (WDF)

Used for..... scrap tires as fuel

Term: Tires

Related term..... Studded tires

Related term..... Hysteresis

Related term..... Radial

Related term..... High pressure

Term: Titanium

Term: Titanium chlorides

Broader term..... Chlorides

Term: Titration

Broader term..... Chemical tests

Related term..... Chemical analysis

Term: Tobermorite

Broader term..... Calcium silicate hydrates (CSH)

Term: Tobermorite gel

Broader term..... Gels

Term: Tobormorite

Broader term..... Calcium silicate hydrates (CSH)

Term: Tolerances (Mechanics)

Related term..... Nondestructive tests

Related term..... Quality control

Related term..... Reliability

Related term..... Dynamic tests

Related term..... Acceptability

Related term..... Standards

Related term..... Hysteresis

Term: Toll roads

Use..... Expressways

Term: tooled finishes

Term: topping

Use..... Overlays

Term: Torsion

Related term..... Failure

Related term..... Deflection

Related term..... Deformation (Elastic and inelastic)

Related term..... Shear properties

Related term..... Fracture properties

Related term..... Buckling

Used for..... angle of twist

Term: Torsion tests

Related term..... Modulus of elasticity

Broader term..... Mechanical tests

Broader term..... Shear tests

Related term..... Tension tests

Related term..... Stresses

Related term..... Dynamic tests

Related term..... Shear properties

Related term..... Yield strength

Related term..... Creep tests

Related term..... Static tests

Related term..... Strains

Related term..... Stress relaxation tests

Term: Torsional modulus

Use..... Shear modulus

Term: Torsional resonant frequencies

Use..... Sonic tests

Term: total cost assessment

Use..... Life cycle assessment (LCA)

Term: Tower cranes

Broader term..... Cranes (hoists)

Term: Towers

Narrower term..... Bell towers

Narrower term..... Water towers

Related term..... Tanks (Containers)

Term: Toxicity

Term: Toxicology

Related term..... Pollution

Term: Trace elements

Related term..... Chemical analysis

Term: Trace metals

Narrower term..... Lead (Pb)

Narrower term..... Strontium

Narrower term..... Zinc

Narrower term..... Lithium

Narrower term..... Magnesium

Narrower term..... Manganese

Narrower term..... Calcium

Narrower term..... Copper

Narrower term..... Chromium

Broader term..... Metals

Narrower term..... Arsenic

Used for..... heavy metals

Term: Track bed

Use..... Road beds

Term: traction

Use..... Skid resistance

Term: Training courses

Term: Transducers

Related term..... Electronic instruments

Related term..... Load cells

Related term..... Measuring instruments

Term: Transfer length

Use..... Stress transfer

Term: Transit mixed concrete

Use..... Ready mixed concrete

Term: transit mixers

Use..... Ready mix trucks

Term: Transport processes

Term: transporting

Use..... Conveying

Term: Traprock

Broader term..... Aggregates

Term: trass

Use..... Tuff

Term: Tremie concrete

Broader term..... Placing

Broader term..... Concretes

Related term..... Underwater construction

Term: Trenching

Broader term..... Excavation

Related term..... Shoring

Term: Trial mix proportioning

Use..... Mix proportioning

Term: Triaxial loads

Broader term..... Axial loads

Term: Triaxial tests

Broader term..... Mechanical tests

Broader term..... Tests

Related term..... Shear tests

Term: Tricalcium aluminate hydrates

Broader term..... Aluminum inorganic compounds

Broader term..... Calcium compounds

Broader term..... Calcium aluminate hydrates

Used for..... C3AHx

Term: Tricalcium aluminates

Broader term..... Calcium compounds

Broader term..... Calcium aluminates

Broader term..... Aluminum inorganic compounds

Related term..... Portland cement compound composition

Used for..... C3A

Term: Tricalcium silicate hydrates

Use..... Calcium silicate hydrates (CSH)

Term: Tricalcium silicates (C3S)

Broader term..... Calcium compounds

Broader term..... Silicon compounds

Broader term..... Silicates

Broader term..... Calcium silicates

Narrower term..... Alite

Related term..... Portland cement compound composition

Used for..... C3S

Term: Tridymite

Broader term..... Silica minerals

Term: Triethanolamine

Term: Trivalent chromium (Cr (III))

Term: Trombe wall

Related term..... Passive solar energy

Term: Trombe walls

Broader term..... Walls

Term: Trowel finish

Broader term..... Finishes

Term: Troweling

Broader term..... Finishing

Term: Trowels

Term: Truck-mounted mixers

Use..... Ready mix trucks

Term: Trucks

Narrower term..... Dumpcrete agitator trucks

Term: Trusses

Broader term..... Girders

Broader term..... Beams

Narrower term..... Vierendeel trusses

Narrower term..... Launching trusses

Related term..... Rigid frames

Term: Tube mills

Broader term..... Grinding mills

Broader term..... Secondary crushers

Narrower term..... Compartment mills

Term: Tuckpointing

Broader term..... Repairs

Related term..... Mortars

Related term..... Masonry

Related term..... Patching

Term: Tuff

Broader term..... Igneous rocks

Broader term..... Pozzolans

Used for..... trass

Used for..... santorin earth

Broader term..... Supplementary cementing materials (SCM)

Broader term..... Natural pozzolans

Term: Tunnel linings

Used for..... Linings

Term: Tunneling (excavation)

Broader term..... Excavation

Related term..... Tunnels

Related term..... Earth pressure

Term: Tunnels

Broader term..... Structures

Broader term..... Hydraulic structures

Related term..... Tunneling (excavation)

Related term..... Highways

Related term..... Roads

Broader term..... Underground structures

Narrower term..... Vehicular tunnels

Narrower term..... Water tunnels

Narrower term..... Railroad tunnels

Related term..... Underpasses

Related term..... Aqueducts

Related term..... Subways

Term: Turbidimeters

Broader term..... Measuring instruments

Term: Turbidimeters

Broader term..... Measuring instruments

Related term..... Chemical analysis

Term: Two way slabs

Broader term..... Slabs

Term: type 2 cements

Use..... Portland cement type 2

Term: type 5 cements

Use..... Sulfate resistant cements

Term: type II cements

Use..... Portland cement type 2

Term: type iv cements

Use..... Low heat cements

Term: Type K expansive cement

Broader term..... Expansive cements

Related term..... Calcium sulfoaluminates

Used for..... sulfoaluminate cements

Term: Type M expansive cement

Broader term..... Expansive cements

Term: Type S expansive cement

Broader term..... Expansive cements

Term: type V cements

Use..... Sulfate resistant cements

Term: Ultimate strength

Use..... Strength

Term: Ultra high performance concretes (UHPC)

Broader term..... High performance concretes (HPC)

Term: Ultrabasic rocks

Broader term..... Igneous rocks

Term: Ultrafines

Broader term..... Fines

Related term..... Fine aggregates

Term: Ultrasonic pulse velocity test (ASTM C597)

Broader term..... Nondestructive tests

Term: Ultrasonic tests

Related term..... Mechanical tests

Related term..... Nondestructive tests

Used for..... Soniscope

Broader term..... Physical tests

Broader term..... Tests

Used for..... Pulse echo technique

Used for..... Sonic tests (velocity)

Used for..... Ultrasound tests

Term: Ultrasound tests

Use..... Ultrasonic tests

Term: Ultraviolet spectroscopy

Broader term..... Spectroscopy

Related term..... Atomic spectroscopy

Term: Unbonded prestressing

Broader term..... Prestressing

Related term..... Bonding

Term: Unbonded tendons

Term: underground construction

Use..... Underground structures

Term: Underground storage

Related term..... Storage tanks

Broader term..... Underground structures

Term: Underground structures

Broader term..... Structures

Broader term..... Construction

Narrower term..... Underground storage

Narrower term..... Earth sheltered structures

Narrower term..... Mines (excavations)

Narrower term..... Tunnels

Related term..... Soil mechanics

Used for..... underground construction

Broader term..... Civil engineering

Narrower term..... Basements

See also... Substructures

See also... Foundations

Term: Underpasses

Related term..... Tunnels

Related term..... Overpasses

Term: Underpinning

Related term..... Jacking

Related term..... Concrete piles

Related term..... Footings

Related term..... Foundations

Related term..... Columns

Broader term..... Supports

Related term..... Shoring

Related term..... Substructures

See also... Piles

Term: Underwater construction

Broader term..... Construction

Related term..... Pumped concrete

Related term..... Placing

Related term..... Concrete construction

Related term..... Tremie concrete

Related term..... Preplaced aggregate concrete

Term: Unit displacement method

Broader term..... Structural analysis

Broader term..... Compatibility methods

Broader term..... Stiffness methods

Related term..... Elastic analysis

Broader term..... Deformation methods

Broader term..... Matrix methods

Related term..... Energy methods

Term: Unit load method

Broader term..... Equilibrium methods

Broader term..... Structural analysis

Broader term..... Flexibility methods

Broader term..... Matrix methods

Related term..... Statically indeterminate structures

Related term..... Elastic analysis

Related term..... Static structural analysis

Term: Unit weight

Use..... Density (mass/volume)

Term: Unreinforced concrete

Use..... Plain concrete

Term: Unsoundness

Use..... Soundness

Term: Upgrading**Term: Uplift pressure**

Broader term..... Pressure

Related term..... Soil mechanics

Term: Urban development

Related term..... Urban planning

Term: Urban heat island (UHI)

Broader term..... Climate change

Used for..... cool buildings

Term: Urban planning

Related term..... Municipal engineering

Related term..... Civil engineering

Broader term..... Planning

Related term..... Urban transportation

Related term..... Urban development

Term: Urban transportation

Related term..... Urban planning

Related term..... Rapid transit railways

Term: Vacuum dewatering

Term: Vacuum filters

Broader term..... Separators

Term: Vacuum forming

Broader term..... Forming techniques

Related term..... Form liners

Term: Vacuum pumps

Broader term..... Pumps

Term: Vacuum treated concrete

Broader term..... Concretes

Related term..... Precast concrete

Term: Vanillin

Broader term..... Ethers

Term: Vapor barriers

Related term..... Protective coatings

Related term..... Curing films and sheets

Related term..... Waterproofing

Related term..... Moistureproofing

Used for..... membranes

Term: Vapor pressure

Broader term..... Pressure

Used for..... Pore pressure

Term: Variability

Related term..... Quality control

Related term..... Standard deviation

Related term..... Confidence limits

Term: variable loads

Use..... Cyclic loads

Term: Variations

Related term..... Coefficient of variation

Used for..... Variations in cement quality

Term: Variations in cement quality

Use..... Cement quality

Use..... Variations

Term: Vebe tests

Broader term..... Consistency tests

Term: vehicular loading

Use..... Live loads

Term: Vehicular tunnels

Broader term..... Tunnels

Term: veneers

Use..... Facings

Term: Ventilation

Related term..... Exhaust systems

Related term..... Ducts

Term: Vents

Related term..... Ports (openings)

Related term..... Cavities

Related term..... Flues
Related term..... Exhaust systems
Related term..... Chimneys
Related term..... Ducts
Related term..... Openings
Related term..... Exhaust pipes
Related term..... Cooling systems

Term: Vermiculite

Related term..... Clay minerals
Related term..... Clays
Related term..... Lightweight aggregates
Related term..... Perlite
Related term..... Insulation

Term: vertical kilns

Use..... Shaft kilns

Term: vertical roller mills

Use..... Roller mills

Term: Viaducts

Related term..... Bridges
Related term..... Overpasses

Term: Vibrating conveyors

Broader term..... Conveyors

Term: Vibrating screens

Broader term..... Sizing screens
Broader term..... Classifiers
Related term..... Vibrators (machinery)

Term: Vibration

Related term..... Damping
Related term..... Consolidation
Related term..... Cyclic loads
Related term..... Compaction [concrete]
Related term..... Placing
Related term..... Stability
Related term..... Vibrators (machinery)
Related term..... Mechanical shock
Related term..... Acoustics
Related term..... Shock mechanics

Term: Vibrators (machinery)

Related term..... Vibration
Related term..... Vibrating screens

Term: Vibratory compacting

Broader term..... Compaction [concrete]
Related term..... Placing
Related term..... Forming techniques

Term: vicat apparatus

Use..... Penetration resistance test (ASTM C 403)
Use..... Penetration resistance test (BS EN 196-3)

Term: Vierendeel trusses

Broader term..... Trusses

Term: Vinyl acetate

Related term..... Esters

Term: Vinyl ether

Broader term..... Ethers

Term: Vinyl resins

Broader term..... Resins
Narrower term..... Polyvinyl chloride (PVC)
Narrower term..... Polystyrene
Narrower term..... Polyvinyl acetate
Narrower term..... Polyvinylidene chloride (PVDC)
Related term..... Plastics
Related term..... Elastomers

Term: Viscoelasticity

Broader term..... Rheological properties
Broader term..... Mechanical properties
Broader term..... Elastic properties

Term: Viscometers

Broader term..... Measuring instruments
Related term..... Viscosity
Related term..... Consistency tests

Term: Viscosity

Related term..... Capillarity
Related term..... Surface properties
Related term..... Viscometers
Related term..... Internal friction
Related term..... Density (mass/volume)
Related term..... Damping capacity

Term: VLITE (Computer program)

Term: Void cement ratio

Related term..... Water cement ratio

Term: Voids

Related term..... Porosity
Broader term..... Surface defects
Related term..... Capillarity

Term: Volatile organic compounds (VOC)

Term: Volcanic glass

Term: Voltmeters

Broader term..... Measuring instruments

Term: Volume change

Related term..... Expansion
Used for..... dilation
Narrower term..... Subsidence
Narrower term..... Shrinkage
Related term..... Thermal expansion

Term: Volume change test (ASTM C 827)

Broader term..... Tests (Hardened concrete)

Term: Volume change tests

Term: Volume surface ratio

Used for..... Concrete mixes

Term: Volumetric method test (ASTM C 173)

Broader term..... Air content tests (Fresh concrete)

Term: Waffle slabs

Broader term..... Slabs

Term: Wagner method

Broader term..... Particle size determination

Term: Wall bracing

Term: Wall ties

Term: Wallboard

Related term..... Walls
Broader term..... Construction materials
Related term..... Ceilings (architecture)
Related term..... Insulation

Term: Walls

Narrower term..... Fire walls
Narrower term..... Cavity walls
Related term..... Architectural masonry
Broader term..... Building components
Narrower term..... Structural walls
Narrower term..... Masonry load bearing walls
Narrower term..... Isolated walls
Narrower term..... Pierced walls
Narrower term..... Cutoff walls
Narrower term..... Sea walls
Narrower term..... Retaining walls
Narrower term..... Trombe walls

Narrower term..... Bearing walls
Narrower term..... Bulkheads
Narrower term..... Partition walls
Narrower term..... Curtain walls
Narrower term..... Squat walls
Narrower term..... Coupled walls
Narrower term..... Masonry walls
Related term..... Concrete panels
Related term..... Furring
Related term..... Sandwich structures
Related term..... Pilasters
Related term..... Panels
Related term..... Guarded hot box
Related term..... Calibrated hot box
Related term..... Footings
Related term..... Wallboard

Term: Warehouse set

Broader term..... Cement storage
Narrower term..... Syngenite
Used for..... pack set

Term: Warehouses

Broader term..... Buildings
Broader term..... Industrial buildings

Term: Warning systems

Related term..... Deformation (Elastic and inelastic)
Related term..... Fire protection
Related term..... Deflection
Related term..... Safety engineering
Related term..... Damage
Related term..... Buckling
Used for..... Alarms
Narrower term..... Fire alarm systems
Narrower term..... Smoke detectors
Related term..... Hazards
Related term..... Warping
Related term..... Fire prevention

Term: Warpage

Related term..... Buckling
Related term..... Deformation (Elastic and inelastic)
Related term..... Damage
Related term..... Deflection
Related term..... Thermal expansion

Term: Warping

Related term..... Warning systems
Broader term..... Drying shrinkage

Term: Waste disposal

Narrower term..... Incineration
Broader term..... Waste materials
Related term..... Industrial wastes
Related term..... Waste treatment
Related term..... Materials handling
Related term..... Exhaust systems
Related term..... Sewage treatment

Term: Waste disposal plants

Related term..... Buildings

Term: waste fuels

Use..... Waste-derived fuels (WDF)

Term: Waste heat utilization

Narrower term..... Precalciners
Related term..... Cogeneration
Related term..... Drying apparatus
Used for..... heat recovery

Term: Waste management (CAS)

Term: Waste materials

Narrower term..... Industrial wastes
Narrower term..... Waste treatment
Narrower term..... Waste disposal
Related term..... Admixtures
Narrower term..... Waste-derived fuels (WDF)
Narrower term..... Sludge
Related term..... Pollution
Used for..... wastes

Term: Waste materials utilization

Related term..... Aggregates
Narrower term..... Waste-derived fuels (WDF)
Related term..... Sludge
Used for..... alternative materials
Used for..... beneficial reuse

Term: Waste oils as fuel

Broader term..... Waste-derived fuels (WDF)

Term: Waste Stabilization (CAS)

Term: Waste treatment

Narrower term..... Sewage treatment
Related term..... Waste disposal
Broader term..... Waste materials
Narrower term..... Industrial waste treatment
Related term..... Water treatment

Term: Waste-derived fuels (WDF)

Broader term..... Fuels
Broader term..... Waste materials
Broader term..... Waste materials utilization
Narrower term..... Hazardous waste derived fuels (HWDF)
Narrower term..... Waste oils as fuel
Narrower term..... Tire-derived fuels (TDF)
Used for..... waste fuels
Used for..... alternative materials
Used for..... refuse-derived fuels (rdf)
Used for..... rdf

Term: wastes

Use..... Waste materials

Term: Wastewater

Related term..... Water

Term: Wastewater treatment plants

Broader term..... Sanitary engineering
Related term..... Sewage treatment

Term: Water

Narrower term..... Moisture
Narrower term..... Sea water
Related term..... Moisture content
Narrower term..... Ground water
Narrower term..... Hydrology
Narrower term..... Drinking water
Narrower term..... Salt water
Narrower term..... Penetration
Related term..... Humidity
Related term..... Wastewater
Used for..... Mix water

Term: Water cement ratio

Related term..... Void cement ratio
Related term..... Concrete durability
Related term..... Mix proportioning
Related term..... Moisture content
Related term..... Concretes
Used for..... Water content (Fresh concrete, ASTM C 1079)

Term: Water content (Fresh concrete, ASTM C 1079)

Use..... Water cement ratio

Term: water demand

Use..... Water of hydration

Term: Water erosion

Broader term..... Erosion

Narrower term..... Scour (erosion)

Term: Water flow

Related term..... Runoff

Term: Water intakes

Broader term..... Hydraulic structures

Term: Water of hydration

Related term..... Crystallization

Used for..... Bound water

Used for..... water demand

Used for..... Nonevaporable water

Term: Water pipelines

Broader term..... Water supply

Broader term..... Pipelines

Term: Water pipes

Broader term..... Pipes (tubes)

Broader term..... Concrete pipes

Term: Water pollution

Broader term..... Pollution

Related term..... Industrial waste treatment

Related term..... Ground water

Related term..... Sewage treatment

Related term..... Water treatment

Term: Water reducing admixtures

Related term..... Admixtures

Related term..... Superplasticizers

Related term..... Retarders

Related term..... Surfactants

Related term..... Plasticizers

Related term..... Accelerators

Related term..... Lignin and derivatives

Related term..... Wetting agents

Related term..... Waterproofing admixtures

Used for..... High-range water reducing admixtures

Term: Water repellents

Use..... Sealers

Term: Water requirements

Use..... Mix proportioning

Term: Water retentivity

Related term..... Mortars

Term: Water stops

Use..... Joint sealants

Term: Water supply

Broader term..... Civil engineering

Narrower term..... Water pipelines

Narrower term..... Aqueducts

Narrower term..... Reservoirs

Narrower term..... Water towers

Narrower term..... Water treatment

Narrower term..... Water tanks

Broader term..... Sanitary engineering

Broader term..... Public works

Narrower term..... Water tunnels

Narrower term..... Irrigation

Related term..... Hydrology

Related term..... Hydraulics

Term: Water table

Broader term..... Ground water

Term: Water tanks

Broader term..... Tanks (Containers)

Broader term..... Hydraulic structures

Narrower term..... Water towers

Related term..... Reservoirs

Broader term..... Water supply

Term: Water towers

Broader term..... Towers

Broader term..... Water supply

Broader term..... Water tanks

Term: Water treatment

Related term..... Waste treatment

Broader term..... Water supply

Broader term..... Sanitary engineering

Narrower term..... Desalination

Narrower term..... Aeration

Narrower term..... Water treatment plants

Related term..... Water pollution

Term: Water treatment plants

Broader term..... Water treatment

Related term..... Buildings

Broader term..... Sanitary engineering

Term: Water tunnels

Broader term..... Water supply

Broader term..... Hydraulic structures

Broader term..... Tunnels

Related term..... Aqueducts

Related term..... Spillways

Term: Water waves

Related term..... Shore protection

Related term..... Beach erosion

Term: Waterproof coatings

Broader term..... Coatings

Term: Waterproofing

Narrower term..... Waterproofing admixtures

Broader term..... Moistureproofing

Related term..... Seepage

Related term..... Weatherproofing

Related term..... Vapor barriers

Related term..... Sealing

Used for..... Damproofing

Term: Waterproofing admixtures

Broader term..... Admixtures

Related term..... Surfactants

Related term..... Plasticizers

Related term..... Water reducing admixtures

Related term..... Superplasticizers

Broader term..... Waterproofing

Related term..... Wetting agents

Related term..... Dispersants

Related term..... Foaming agents

Used for..... moistureproofing agents

Used for..... moistureproofing admixtures

Term: watertightness

Use..... Permeability

Term: Watt hours meters

Term: Wattmeters

Term: Wave runup

Related term..... Breakwaters

Related term..... Beach erosion

Related term..... Shore protection

Related term..... Revetments
Related term..... Sea walls
Related term..... Ocean waves

Term: Wax beads

Term: Waxes

Term: Wear

Related term..... Erosion
Related term..... Durability
Related term..... Abrasion
Broader term..... Deterioration
Related term..... Failure
Related term..... Damage
Related term..... Friction
Related term..... Grinding (material removal)

Term: Wear resistance

Narrower term..... Abrasion resistance

Term: Wear tests

Broader term..... Physical tests
Broader term..... Dynamic tests
Broader term..... Mechanical tests
Narrower term..... Abrasion tests
Related term..... Static tests
Related term..... Friction tests

Term: Weathering

Related term..... Efflorescence
Related term..... Concrete durability
Related term..... Erosion
Related term..... Corrosion
Broader term..... Deterioration
Related term..... Leaching
Related term..... Exposure
Related term..... Damage
Related term..... Field tests
Related term..... Durability
Related term..... Degradation
Related term..... Corrosion tests

Term: Weatherproofing

Related term..... Waterproofing

Term: Web openings

Broader term..... Webs (supports)
Broader term..... Girders
Related term..... Openings

Term: Web reinforcement

Broader term..... Steel reinforcement

Term: Webs (supports)

Related term..... Structural members
Narrower term..... Web openings

Term: Weight measurement

Related term..... Density (mass/volume)
Related term..... Load cells

Term: Welded connections

Broader term..... Connections
Related term..... Welding

Term: Welded wire fabric

Broader term..... Steel reinforcement
Used for..... Wire mesh

Term: Welding

Related term..... Welded connections
Related term..... Construction

Term: Wet classifiers

Broader term..... Classifiers
Narrower term..... Bowl classifiers

Narrower term..... Spiral classifiers

Narrower term..... Cone classifiers

Term: wet curing

Use..... Moist curing

Term: Wet process

Broader term..... Cement manufacturing

Related term..... Dry process

Related term..... Kilns

Term: Wet-dry brush loss

Related term..... Soil cement

Term: Wetting agents

Related term..... Emulsifying admixtures

Related term..... Waterproofing admixtures

Related term..... Superplasticizers

Related term..... Dispersants

Related term..... Surfactants

Related term..... Water reducing admixtures

Related term..... Plasticizers

Related term..... Admixtures

Related term..... Soaps

Related term..... Detergents

Term: Wetting and drying tests

Related term..... Concrete durability

Broader term..... Tests

Term: Wharves

Broader term..... Hydraulic structures

Broader term..... Harbor structures

Related term..... Docks

Term: wheel loaders

Term: white cement

Use..... White portland cements

Term: White portland cements

Related term..... Architectural concrete

Broader term..... Colored portland cements

Broader term..... Portland cements

Used for..... white cement

Term: whitetopping

Use..... Overlays

Term: Whole life costing

Use..... Life cycle assessment (LCA)

Term: Wind damage

Broader term..... Damage

Term: Wind erosion

Broader term..... Erosion

Term: wind loads

Use..... Wind pressure

Term: Wind pressure

Related term..... Lateral pressure

Related term..... Structural walls

Related term..... Live loads

Related term..... Aerodynamic loads

Broader term..... Dynamic loads

Used for..... wind loads

Term: Wind tunnels

Term: Wind velocity

Term: Windbreaks

Term: Windows

Related term..... Ports (openings)

Related term..... Openings

Broader term..... Fenestration

Term: Windsor probe test

Use..... Penetration tests

Term: Winter concreting

Use..... Cold weather construction

Term: Wire brushing

Related term..... Finishes

Term: Wire mesh

Use..... Welded wire fabric

Term: Wollastonite

Broader term..... Silicates

Broader term..... Calcium silicates

Term: woodfordite

Use..... Ettringite

Term: Workability

Broader term..... Mechanical properties

Related term..... Consistency tests

Related term..... Fresh concretes

Related term..... Placing

Related term..... Extensibility

Related term..... Ductility

Used for..... Moldability

Term: Working stress method

Related term..... Structural analysis

Term: X ray absorption

Related term..... X ray analysis

Related term..... X ray fluorescence (XRF)

Related term..... X ray spectroscopy

Broader term..... X-ray tests

Term: X ray analysis

Related term..... Chemical analysis

Related term..... X ray diffraction spectrometry (XRD)

Broader term..... X-ray tests

Narrower term..... Quantitative analysis

Narrower term..... X ray fluorescence (XRF)

Narrower term..... Energy-dispersive X ray spectroscopy (EDS)

Related term..... X ray absorption

Related term..... X ray spectroscopy

Term: X ray diffraction spectrometry (XRD)

Broader term..... X-ray tests

Narrower term..... Rietveld analysis

Related term..... X ray analysis

Related term..... Electron diffraction

Used for..... X ray scattering

Used for..... Small angle scattering

Term: X ray fluorescence (XRF)

Broader term..... X ray analysis

Broader term..... X-ray tests

Broader term..... Fluorescence

Related term..... X ray absorption

Term: X ray scattering

Use..... X ray diffraction spectrometry (XRD)

Term: X ray spectroscopy

Broader term..... Spectroscopy

Related term..... Atomic spectroscopy

Related term..... X ray analysis

Broader term..... X-ray tests

Related term..... X ray absorption

Term: Xonotlite

Broader term..... Silicates

Term: X-ray tests

Broader term..... Nondestructive tests

Narrower term..... X ray fluorescence (XRF)

Narrower term..... X ray spectroscopy

Narrower term..... X ray absorption

Narrower term..... X ray diffraction spectrometry (XRD)

Narrower term..... X ray analysis

Term: X-ray tomography

Term: Y beams

Broader term..... Beams

Term: Yield line method

Broader term..... Plastic analysis

Broader term..... Structural analysis

Related term..... Statically indeterminate structures

Related term..... Energy methods

Related term..... Equilibrium methods

Term: Yield point

Broader term..... Mechanical properties

Related term..... Tensile properties

Related term..... Tensile strength

Related term..... Tension tests

Term: Yield strength

Broader term..... Strength

Related term..... Tensile strength

Related term..... Torsion tests

Broader term..... Mechanical properties

Related term..... Tension tests

Related term..... Tensile properties

Term: young's modulus

Use..... Modulus of elasticity

Term: Zeolites

Broader term..... Silicates

Term: Zero-maintenance pavements

Term: Zeta potential

Term: Zinc

Broader term..... Trace metals

Term: Zinc chlorides

Broader term..... Chlorides

Term: Zirconium

Term: Zirconium chlorides

Broader term..... Chlorides