



# CEMENT & CONCRETE: ESSENTIAL TO DAILY LIFE

Cement is the primary ingredient in concrete. It serves as the glue that mixes with aggregates and water to create concrete.

Concrete makes the world go 'round. It is the most prevalent manmade material on earth.

It is used to build structures that transport clean water to our homes so we can brush our teeth, take showers, and have safe drinking water from faucets.

## Resilient Construction

Cement and concrete provide a safe, energy-efficient, and reliable built environment so we can have shelter, get around town, and travel the world.

It is a resilient, durable construction material capable of withstanding extreme weather events and natural and man-made disasters.



## CEMENT BY THE NUMBERS

The U.S. needs vast amounts of cement each year for:



### Data Centers

**247,000 metric tons** of cement will be used in 2025. That's nearly **20 times** the amount of cement in the **Empire State Building**.



### Roads and Bridges

**32.9 million metric tons** to build and repair highways, streets, and bridges. That's enough to pave the full length of **I-95**, the longest north-south Interstate in the U.S., **10 times**.



### Housing

**25.4 million metric tons** of cement to build single family and multi-family housing. That's enough cement to reconstruct the **Pentagon 273 times**—annually.



### Fuel and Energy

**1.9 million metric tons** to seal oil and gas wells, ensuring these products stay safely enclosed. That's enough cement to fill **18,000 tanker trucks**.



### Flood Control

**2.5 million metric tons** to build infrastructure like levees, dams, and culverts. That's nearly **3 times** the amount of cement in the **Hoover Dam**.



### Water Works

**7.4 million metric tons** to construct drinking and wastewater infrastructure. That's enough cement to fill **1,300 Olympic-sized** swimming pools.

Cement and concrete are all around you and are required in virtually every type of construction. To learn more, visit [www.cement.org](http://www.cement.org).

Founded in 1916, the American Cement Association (ACA) is the premier policy, research, education, and market intelligence organization serving America's cement manufacturers. ACA supports sustainability, innovation, and safety while fostering continuous improvement in cement manufacturing, distribution, infrastructure, and economic growth.