

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 roads, bridges, tunnels, sidewalks, transit, airports, runways, drinking and wastewater infrastructure, ports, dams, high and low-rise buildings, schools, hospitals, foundations, factories, and energy infrastructure.

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 the increase in the number, severity, and wide-ranging weather events that are happening globally, including wildfires, tornadoes, hurricanes, blizzards, etc.

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.



CEMENT BY THE NUMBERS

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



Housing

21.4 million metric tons to construct single family homes. **4 million metric tons** to construct multi-family housing, including dormitories.



Roads and Bridges

32.9 million metric tons to build and repair highways, streets, and bridges.



Flood Control

2.5 million metric tons to build infrastructure like levees, dams, and culverts.



Fuel and Energy

1.9 million metric tons to seal oil and gas wells, ensuring these products stay safely enclosed.



Education

1.7 million metric tons to build schools.



Water Works

7.4 million metric tons to construct drinking and wastewater infrastructure.

Cement and concrete are all around you and are required in virtually every type of construction. To learn more, visit www.cement.org.

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