

Plastic in Action

Building & Construction

Plastic is indispensable to modern building and construction across our nation, making building projects more durable, cost-effective, and energy efficient. From enhancing structural integrity to improving water systems and insulation, plastic materials offer one-of-a-kind versatile, high-performance solutions that benefit both builders and homeowners.



Plastic polypropylene-reinforced concrete provides up to 40 times more structural integrity than traditional concrete.



Durable plastic piping, such as PVC and CPVC, offers a safe, affordable, and energy-efficient alternative to aging lead and copper pipes—capable of withstanding extreme heat and cold for reliable performance in a wide range of environments



Plastic foam insulation improves temperature regulation and energy efficiency in our homes and buildings, saving us money and reducing our carbon footprint.



Plastics are essential to a building's safe and effective electrical systems, from wire coatings to switch boxes to outlet covers, powering our homes and businesses safely.

Plastic is indispensable to modern building and construction.

More than one million Americans work in jobs directly or indirectly connected to the plastics industry, spanning a wide range of sectors. From the engineers who design the machinery that manufactures essential plastic products, to the material suppliers distributing raw plastics, to the processors shaping materials into goods, and the recyclers giving used plastic a second life, the plastics supply chain is a vital aspect within both the U.S. and global economy.