

WHY SPECIFY PRECAST CONCRETE?

High performance precast concrete is versatile, efficient, and resilient. Precast concrete products can be designed, manufactured, and installed for any application, ranging in size from short span bridges to some of the largest structures in the world.

- PCI producer member precast products are quality controlled through the entire manufacturing process at PCI-Certified plants.
- PCI Quality Assurance Program includes tolerances for product dimensions, tensioning procedures, material properties and other critical production requirements.
- Economies of scale can be achieved through repetition while the inherent plasticity of precast concrete allows for unique custom shapes.
- High-strength high performance precast concrete resists weather extremes, fire, corrosion, mold, mildew, and vandalism.
- An infinite variety of sands, cements, aggregates, and pigments combine to achieve endless colors, textures and finishes with no painting required.
- Precast concrete products are manufactured off-site, allowing for “just-in-time” delivery, resulting in shorter site construction durations, less public inconvenience, and greater jobsite safety.
- Long service life of 100 years or more.
- Continuous insulation, air and vapor barrier in one highly efficient enclosure system.
- Storm, earthquake, and blast resistant.
- Superior vibration and acoustical control.
- Fast speed of construction compared with conventional construction methods.
- Superior energy efficiency due to thermal mass inertia that reduces peak heating and cooling loads.
- UV and pest resistant.

Precast concrete is a high-performance building material that integrates easily with other systems and inherently provides the versatility, efficiency and resiliency needed to meet the multi-hazard requirements and long-term demands of high-performance structures, making it an excellent solution of choice for your next building or transportation project.

