

WHAT IS PRECAST CONCRETE?

CONCRETE - a construction material composed of cement which serves as a binder of water, aggregates (sand and stones), chemical admixtures, and air. A concrete's mix design, or recipe, affects the color, strength, and performance of the concrete. Weather conditions, such as temperature and humidity, are also factors in concrete's final attributes.

PRECAST CONCRETE - concrete cast into a specific shape in a controlled environment at a precast concrete plant. This prefabricated concrete is then transported to the job site where it will be erected or placed.

PRESTRESSED CONCRETE - concrete whose primary reinforcement consists of steel strand put into tension, resulting in compression of the concrete. This increases

load-carrying capacity, allows for greater spans, and reduces cracks.

Precast concrete and precast, prestressed concrete excel in strength, sustainability, functionality, and durability. It integrates easily with other systems and provides the versatility, efficiency, and resiliency needed to meet the multi-hazard requirements and long-term demands of high-performance structures.

