



COLD FUSION CONCRETE™-A200 PRODUCT DATA SHEET

COLD FUSION CONCRETE-A200 (A200) is a 3/8-inch nominal (or other size) aggregate (quartzite) concrete material designed for resistance to sulfuric acid and general purpose use. A200 is resistant to degradation in various concentrations of sulfuric acid ranging from .01-percent to 98-percent with little to no mass loss. A200 can be utilized in low or high slump applications for construction of secondary containment, various feature construction such as drain systems, foundations, walls, flatwork, and every other application typically observed with Portland Cement mixtures.

FEATURES

- Resistant to sulfuric acid exposure at concentrations ranging from .01-percent to 98-percent.
- Moderately resistant to other acids except hydrofluoric.
- Resistant to hydrocarbon, chloride, and sulfate exposure degradation.
- Resistant to solvent exposure.
- Green Technology.
- Can be colored.
- Utilized at slumps ranging from 1 to 9 inches.
- Fiber reinforced (micro).
- Interior and exterior applications.
- Resistant to freeze and thaw cycles.
- Can be used in hot or cold climates.
- Improves corrosion protection when placed on metal features.
- Supplied in Super Sacks, 55-lb bags, or Ready Mixed Concrete delivery.

RECOMMENDED USES

A200 is used in most any pneumatic or conventionally placed concrete applications where the completed feature will be subject to sulfur, sulfuric acid, or many other chemicals in very hot or very cold climates. A200 is many times utilized in the Petrochemical, Fertilizer, Food & Beverage, Mining, and Foundry Industries, and, the Oil & Gas Industry including off-shore drilling platforms due to its chemical resistance and complete resistance to chloride and sulfate attack.

EXPECTED CHARACTERISTICS

- 5,000 psi typical 28-day compressive strength at a water to cement ratio of 0.32, and a slump of 8 inches.
- 9,000 psi typical 28-day compressive strength at a water to cement ratio of 0.27, and a slump of 5 inches.
- 145 lbs/ft³ wet density.
- 6,000 psi typical compressive strength in from 4 to 8 hours when subjected to cure temperatures greater than 120 degrees Fahrenheit.
- Heat resistance up to a sustained 1,000 degrees Fahrenheit, or brief higher temperature exposure.

A200 complies with building code requirements for interaction with conventional reinforcing steel, strength, and modulus properties, but does not comply with typical industry Portland Cement specifications due to the absence of Portland Cement. [Cost savings combined with superior quality is not just a goal, it's inherent with A200.](#)