



COLD FUSION CONCRETE A-SERIES WW200 WASTE WATER CONCRETE & COATING

CFC WW200 Waste Water Concrete & Coating is an acid resistant, low permeability, medium density pneumatically projected concrete for use over cementitious or metal elements as a structural concrete or protective coating.

FEATURES

- Low shrinkage and low thermal coefficients.
- Cures quickly in warm/hot weather allowing rapid completion of projects.
- Shrinkage compensators reduce/remove cracking.
- Elevated alkalinity removes mold and bacterial growth.
- Bonds to wood, concrete, masonry and just about everything except plastic or galvanizing.
- Resistant to all acids and concentrations except for hydrofluoric.
- Acts as a water sealant.
- Can be colored.
- Green Technology

RECOMMENDED USES

- Manhole repairs and protection.
- Underground pipe lining.
- Used as a chemical/acid resistant barrier for vulnerable materials.
- Basins, life-stations, culverts, and any other storm or sanitary waste-water use.

PACKAGING, SHELF LIFE, COVERAGE

- Supplied in 55-pound bags or super sacks.
- Shelf life is approximately 2 years if properly stored in a humidity-controlled environment.
- At a 1/4-inch depth (3.125 mm), one bag will cover 23 square feet (2.2 square meters).

DIRECTIONS FOR USE

- If used on galvanized metal, coat the surface with Fusion Prime at a rate of .02 gallons per square yard, 24 hours in advance of WW200 application.
- Concrete/Masonry Preparation - Prepare the surface of Portland materials by removing any dirt, debris, or incompatible coatings. Surface should be moist. If coating over materials previously subject to low pH materials, neutralize the surface, remove low pH concrete, and/or use Fusion Bond at a rate of .02 gallons per square yard.
- Using a high-shear paddle or whip type mixer, gradually combine approximately 2 gallons of water per 55-lb bag and mix for between 2 to 4 minutes.
- Adjust continuous mixing apparatus for a sprayable consistency that achieves the design thicknesses. Rotor stator or squeeze pumps are optimal.
- Apply WW200 using standard industry stucco or other nozzle or spin-cast apparatus. Apply WW200 at the thicknesses stipulated by GPS' Technical Department based upon the scope of the application.
- Place the element into surface when WW200 has achieved a minimum of 6,000 psi strength.





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CFC® WW200		LOW RANGE	HIGH RANGE
BULK DENSITY, PCF	ASTMC138	110	120
COMPRESSIVE STRENGTH, PSI	ASTMC579	6,000	9,000
BOND STRENGTH, PSI	ASTMC321	1,200	2,500
TENSILE STRENGTH, PSI	ASTMC307	1,200	2,500
YOUNG'S MODULUS, PSI	ASTMC469	3.5x10 ⁶	5.0x10 ⁶
POISSON'S RATIO	ASTMC469	.30	.50
COEFFICIENT OF THERMAL EXPANSION,10 ⁻⁶ IN/°F	ASTM C 531	1.30	2.00
MAXIMUM SERVICE TEMPERATURE, °F	-	1000	1600
WATER ABSORPTION, %	ASTMC413	.90	1.5
WORKING TIME, MINUTES	ASTMC308	60	120
SHRINKAGE	ASTM C531	-.007	+.010

