

Product Information and Application Instructions

Features

- Low shrinkage and low thermal coefficients.
- 0 VOC's.
- Cures quickly in warm/hot weather, allowing rapid completion of projects.
- Formulated to reduce/eliminate cracking.
- Elevated alkalinity – does not promote mold and bacterial growth.
- Bonds to wood, concrete, masonry (does not bond to plastic or galvanized metal).
- Resistant to all organic and inorganic acids and concentrations except for hydrofluoric.
- Low Absorption – Acts as a water sealant.
- Fiber reinforced.
- Can be custom colored.
- Contains no Portland cement

Omni-Crete 1200G is an acid resistant, low permeability, medium density concrete for use over wood, masonry, or cementitious elements as a structural repair or protective barrier. Omni-Crete 1200G contains no Portland Cement and can be applied at temperatures as low as 14°F. Omni-Crete 1200G is exothermic for approximately 2 minutes, and then undergoes an endothermic chemical cure.

Typical Uses

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

Resistant to most wastewaters generated by Food & Beverage, Pharmaceutical, Chemical Processing and other manufacturing operations. Contact Blome International for specific information.

Physical Data

Density	110 – 120 LBS/Cu. Ft.
Color	Consult Blome for color options
Compressive Strength	6000 – 9000 psi
Tensile Strength	1200 – 2500 psi
Bond Strength	>1200 psi
Modulus of Elasticity	1.5 – 3.0 x 10 ⁶ psi
Poisson's Ratio	0.3 – 0.5
Max Service Temp.	1100 °F
Water Absorption	0.5 – 1%/wt.
Shrinkage	-0.007 - +0.01%
Work life	40 – 180 minutes*

*depending on temperature

Directions for Use

- If used on galvanized metal, coat the surface with Omni-Crete Primer at a rate of .02 gallons per square yard, 24 hours in advance of Omni-Crete 1200G application.
- Carefully review the Safety Data Sheet for Omni-Crete 1200G. Wetted material has an elevated pH that may irritate or burn skin.
- 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 use Omni-Crete Primer at a rate of .02 gallons per square yard.
- Using a high-shear paddle or whip type mixer, gradually combine approximately 1-gallon of water with a 50-lb bag and mix for between 2 to 6 minutes (extended mixing times will reduce working time).
 - Add water to mixer first, then add powder.
 - Use a high-shear mixer on high speed.
 - Warmer temperatures will shorten working time.
 - Cooler temperatures will increase working time.
- Adjust continuous mixing apparatus for a sprayable consistency that achieves the design thicknesses. Rotor stator or squeeze pumps are optimal.
- Pneumatically apply Omni-Crete 1200G using standard industry stucco nozzles or spin-cast apparatus that provide a relatively fine spray. Apply Omni-Crete 1200G at the thicknesses stipulated by Blome International based upon the scope of the application and up to about 2 inches per lift.
- Multiple lifts may be required in many cases. Place lifts within 28 days of initial application or use Omni-Crete Primer between lifts if more than 28 days has passed.
- Place area into service when Omni-Crete 1200G has achieved a minimum of 6,000 psi strength.

Packaging, Shelf Life, Coverage

- Supplied in 50-pound bags or super sacks.
- Shelf life is approximately 2 years if properly stored in a humidity-controlled environment.
- At a 1-inch depth (25 mm), a one-bag mix will cover 5 square feet.

Safety Precautions

Proper safety procedures should always be followed while handling this product. Wetted material has an elevated pH that may cause skin irritation or burns. Consult Safety Data Sheet before use. **KEEP OUT OF REACH OF CHILDREN.** *This product is for industrial use only. Not for residential use.*

Limitation of Liability

Blome's liability on any claim of any kind, including claims based upon Blome's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. **In no event shall Blome be liable for consequential or incidental damages.**

Due to Blome's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the Blome International website at www.blome.com.

Warranty

Blome warrants its products to be free from defects in material and workmanship. Blome's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Blome's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Blome in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Blome of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

Blome makes no other warranties concerning the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Blome be liable for consequential or incidental damages.

Any recommendation or suggestion relating to use of the products made by Blome, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

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