



MULT-I-SHIELD 870 EXTERIOR WALL COATING

SEAMLESS EXTERIOR WALL COATING

1. PRODUCT NAME

MULT-I-SHIELD 870 EXTERIOR WALL COATING is a seamless, elastomeric, waterproof coating for use on concrete and masonry exterior walls to protect against water penetration, and to provide an aesthetic remedial improvement to those structures. MULT-I-SHIELD 870 EXTERIOR WALL COATING is not paint but rather a durable elastomeric wall coating.

2. MANUFACTURER

URETHANE POLYMERS INTERNATIONAL, INC.

10880 Poplar Avenue

Fontana, California 92337

Phone: (909) 357-7200

Fax: (909) 357-7215

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3. PRODUCT DESCRIPTION

COMPOSITION: MULT-I-SHIELD 870 EXTERIOR WALL COATING is an extremely low VOC high strength, elastomeric, water-based pure acrylic coating. It contains no plasticizers and is chemically modified to provide high strength elastomeric qualities. It is fiber reinforced for bridging properties. MULT-I-SHIELD 870 EXTERIOR WALL COATING is a durable, abuse-resistant coating with outstanding resistance to weathering, ultra-violet light, mildew and water. (It is a breathable type coating allowing water vapor to escape from the interior without loss of adhesion.)

BASIC USES: The coating will waterproof porous structures, such as exterior concrete and masonry walls and wood siding, as well as seal hairline cracks caused by the settling of the building or earthquake. At the same time it allows for application of traditional painting, thereby combining the beautification of painting and the waterproofing ability of a tough elastomeric membrane. The product is to be used only on above-grade walls. This coating contains agents which inhibit the growth of mildew.

LIMITATIONS: Do not use on below-grade walls or under continuously submerged conditions. Do not apply shortly before or during rain. KEEP FROM FREEZING.

COLOR: Limestone Gray. Custom colors available upon special order.

SIZES: Available in 5-gallon pails and 55-gallon drums. Weights 11 lbs. per gallon (5 kg/gallon).

4. INSTALLATION

SURFACE PREPARATION: Concrete should be cured for at least 28 days prior to coating. All concrete and masonry surfaces shall be thoroughly cleaned to remove all dirt, grease, efflorescence or other foreign matter. Old concrete and masonry surfaces should be blasted clean by sand-blasting or high pressure water blasting. MULT-I-SHIELD 870 EXTERIOR WALL COATING may bond to painted surfaces, but it must be understood that such a system will bond only as well as the paint is bonded to the substrate. Wood surfaces must be cleaned and relatively dry before application. All cracks over 1/16 inch in width must be ground open and caulked flush with non-staining polyurethane caulking approved by Urethane Polymers International, Inc. (UPI). Fill bug holes, air pockets and other voids with an elastomeric patch of sealant.

APPLICATION: Most surfaces, especially extremely porous masonry, concrete or wood, require priming with UI-7012 water-based epoxy primer. This primer must be applied at 250-350 sq. ft. per gallon depending on the porosity of the substrate. The MULT-I-SHIELD 870 EXTERIOR WALL COATING must be applied after a 1 to 3 hour and thorough dry time. MULT-

I-SHIELD 870 EXTERIOR WALL COATING is applied at 80-100 sq. ft. per gallon depending on the surface, yielding 9-10 dry mils. Two coats at this coverage are recommended following a 24 hour cure time between coats. Apply in a cross pattern to eliminate pin holes. Application may be made by brush, roller or spray. Heavy duty airless spray equipment or conventional spray equipment works well. MULT-I-SHIELD 870 EXTERIOR WALL COATING is thixotropic rather than viscous and, therefore, breaks up easily in a spray pattern. The first coat must be thoroughly dry before applying a second coat. The time required will vary depending on temperature, wind and humidity. All ferrous surfaces should be primed with a rust inhibiting primer prior to application of MULT-I-SHIELD 870 EXTERIOR WALL COATING. Equipment may be cleaned up with soap and water.

5. AVAILABILITY AND COST

MULT-I-SHIELD 870 EXTERIOR WALL COATING is supplied direct from our manufacturing facility. Prices vary with quantity and packaging. For the name of your nearest Sales Representative please contact the factory.

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer. Those who choose to install these products without professional assistance do so at their own risk.

6. TECHNICAL DATA

| PROPERTY | TYPICAL VALUE | ASTM TEST METHOD |
|------------------|---------------------------|------------------|
| % Solids | 66% | ASTM D-1644 |
| VOC | <50 g / l | ASTM-3960 |
| Density | 8.6 lbs. / gal | --- |
| Tensile Strength | >200 psi | ASTM D-412 |
| Elongation | 460% | ASTM D-412 |
| Tear Resistance | 60 lbs. / inch | ASTM-624 |
| Weathering | >1,000 hrs. per ASTM G-26 | ASTM-624 |
| Shelf life | Less than 1 year unopened | --- |

7. TECHNICAL SERVICE

Technical assistance is available by contacting:

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8. LIMITED WARRANTY

Urethane Polymers International, Inc. (UPI) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any UPI materials prove to contain manufacturing defects that substantially affect their performance, UPI will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by UPI with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. UPI specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of UPI's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the UPI material in question.

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