



GlobalShield®

#700 Masonry Damproofing

Product Information and Technical Data

#700 Masonry Damproofing is a siloxane penetrating sealer for use on masonry surfaces to provide protection from moisture that results in alkali, efflorescence, freeze/thaw scaling, salt penetration, mold and mildew formations.

PRODUCT DESCRIPTION

Composition: #700 Masonry Damproofing is siloxane penetrating sealer.

Basic Uses: #700 Masonry Damproofing is a siloxane penetrating sealer for use on masonry surfaces to provide protection from moisture which results in alkali, efflorescence, freeze/thaw scaling, salt penetration, mold and mildew formations. #700 Masonry Damproofing molecular structure allows exceptional penetration which provides extended life of the material. When a surface is properly treated with #700 Masonry Damproofing, there is no apparent surface film, and the natural look, color or texture does not alter appreciably. #700 Masonry Damproofing produces a chemical bond with the masonry's natural materials which will retain its natural vapor permeability. Recommended surfaces for #700 Masonry Damproofing are: Architectural Block, Architectural Concrete, Brick Pavers, Concrete Block, Concrete Monuments, Natural Stones, Precast Concrete, Poured in Place Concrete, Marble, Terrazzo, Travertine, etc.

Color: Clear.

Packaging: 5 gallon pails (18.9 liters) and 55 gallon drums (208 liters).

Shelf Life: 12 months in unopened containers.

Limitations: #700 Masonry Damproofing should always be tested on all natural stones prior to any application to assure desired result. Protect all areas that are not to be coated such as glass, walls and plants from overspray and splashing. Remove material that has splashed on material with mineral spirits before material has dried. Material that is not removed immediately will be very difficult or impossible to remove.

INSTALLATION

Surface Preparation: Prior to application, all areas to be treated with #700 Masonry Damproofing must be free of any contamination such as waxes, oils, loose concrete, dirt, curing compounds or any other substance that might make penetration of the surface difficult. Before application, make sure all surface areas are properly prepared. The best method of removing contaminants is mechanically, however, detergents and chemicals often will remove contaminants from the substrate and open the pores of the substrate. On-site testing is recommended to determine the best method of cleaning. Mechanically removing contamination from the concrete may be done by sandblasting, scarifying, metallic abrasive blasting or water blasting. When

using the option of mechanically removing contamination, you must take into consideration that it may damage the surface that is to be sealed with #700 Masonry Damproofing resulting in a very uneven appearance. For new concrete, allow the concrete to cure for a minimum of 21 days before applying #700 Masonry Damproofing.

Application: Once the surface has been completely prepared, the #700 Masonry Damproofing may be applied. #700 Masonry Damproofing may be applied by conventional means, such as roller, brush, paint pad or suitable spray equipment. On vertical surfaces apply in a uniform method starting from the bottom up. If the concrete is very dense, it may be necessary to apply a second coat approximately 3-5 minutes after initial application. When using a brush or roller, completely saturate the surface.

Be sure to backroll any heavy areas, such as drips or runs. On horizontal surfaces apply one saturating application and leave wet for a few minutes. Then backroll entire surface so that the penetration is uniform and does not leave puddles or ponding.

Clean Up: Because of the difficulty cleaning up or removing cured #700 Masonry Damproofing, equipment and tools should be cleaned immediately with mineral spirits or paint thinner.

Coverage:

Rates are estimated due to the different textures of finishes.

Natural Stone (Smooth): 100-150 sq.ft./gal (2.45-3.68m²/liter)

Natural Stone (Rock Face Cut): 100-150 sq.ft./gal (2.45-3.68m²/liter)

Stucco: 100-150 sq.ft./gal (2.45-3.68m²/liter)

Concrete Blocks: 100-150 sq.ft./gal (2.45-3.68m²/liter)

Precast Concrete: 125-175 sq.ft./gal (3.07-4.30m²/liter)

Rock Face Concrete: 150-200 sq.ft./gal (3.68-4.91m²/liter)

Concrete Block: 60-80 sq.ft./gal (1.47-1.96m²/liter)

Cement Brick: 80-120 sq.ft./gal (1.96-2.94m²/liter)

Exposed Aggregate: 100-150 sq.ft./gal (2.45-3.68m²/liter)

Brick Pavers, Tile: 125-175 sq.ft./gal (3.07-4.30m²/liter)

Concrete (Broom Finished): 100-125 sq.ft./gal (2.45-3.07m²/liter)

Concrete (Porous): 70-110 sq.ft./gal (1.71-2.70m²/liter)

Marble: 150-200 sq.ft./gal (3.68-4.91m²/liter)

Terrazzo: 150-200 sq.ft./gal (3.68-4.91m²/liter)

Travertine: 150-200 sq.ft./gal (3.68-4.91m²/liter)

TECHNICAL DATA:

Properties	Standards	Results
Cure Time		24 hours
Recoat Time		6-12 hours
Service Temperature Range		-50 ^o F to 175 ^o F -45 ^o C to 79 ^o C
Solids Content	ASTM D-2369	20% by weight
Water Absorption	ASTM C-642	2% max.
Water Repellency	ASTM C-67-80a	97% min.
Moisture Vapor Transmission	ASTM D1653-72	20 grams/s.f./24hours
Scaling Resistance	ASTM C-672	No Scaling
Specific Gravity		0.8173
Resistance to Efflorescence		Excellent
Resistance to Alkalinity		Excellent
Resistance to Sun Light		Excellent
Flash Point		105 ^o F (40.5 ^o C)/ T.C.C.
Odor		Mild Odor
Surface Appearance After Application		Unchanged

Product Warranty: All products proven to be defective in manufacture will be replaced at no charge.

Availability and Costs:

Availability: Products are immediately available from GlobalShield, Inc. throughout the United States.

Cost: Cost data is available from your local GlobalShield representative.

Technical Services: GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranty systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

Statement of Policy and Responsibility:

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on and expressly disclaims any responsibility for, the structural soundness of any substrate on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the substrate, or its ability to properly support the contemplated installation. GlobalShield accepts no liability for any failure of the substrate or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.



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