

REPEL 75

DESCRIPTION

Repel 75 is a 7.5% active water-based siloxane/silane water repellent and impregnating agent for porous masonry surfaces such as concrete, block, brick, and unglazed tile. Repel 75 will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. Repel 75 will not impair the natural breathing characteristics of treated substrates, nor will it produce a film.

FEATURES

Penetrates Porous Surfaces
High Vapor Permeability
Reduced Water Absorption
Not a Nutrient Source
Alkali Resistance
Solvent-free and Low VOC

BENEFITS

Provides Water Repellency
Allows Surface to Breathe
Helps Prevent Spalling
Resists Mold, Mildew, and Fungus
Efflorescence Prevention
Protection Against De-icing Salts

SUBSTRATE RECOMMENDATIONS

Repel 75 is recommended for these substrates. It is also recommended that a small area is tested before application. Coverage is approximate and based by the gallon.

**Concrete Surfaces (Pre-cast, pavers, cast-in place, brick, tile) 150-300 ft²
Fired Clay Surfaces (Brick, tile, terra cotta, pavers) 100-250 ft²**

PREPARATION

Prior to surface preparation, protect people, property, automobiles, plants and any other non-masonry surfaces and objects from the material, wind drift, and splash, residue, and fumes of the material. Protecting and diverting pedestrians and automobile traffic is also recommended.

Proper surface preparation is highly important. Use the proper cleaning detergent for the substrate at hand. It is recommended that Repel 75 be applied on a clean, visibly dry and absorbent surface, although it may be ok to apply on a slightly damp

PREPARATION cont.

surface as well. Please note that excessive moisture inhibits good penetration, which can reduce the life and performance of the coating. Newly constructed and repointed substrates should be fully cleaned and cured prior to application. Always test for compatibility!

The temperatures of the air and the surface are very pertinent aspects of applying any coating. The minimum temperature of the air and surface must be at least 50° F during application, and for at least 8 hours after. If freezing conditions exist prior to application, it is highly recommended that the substrate be allowed to fully thaw. Should this recommendation not be followed, the siloxane/silane can freeze causing poor penetration and significantly impairing the results of the application. Also, air and surface temperatures should never exceed 95° F. Temperatures at the height will evaporate the water carrier and reduce the penetration as well.

Proper equipment should be used when applying Repel 75. A brush, roller, or low pressure sprayer should be used to apply. If using a sprayer, be sure the psi is no greater than 20. Set the sprayer to achieve a good, wet stream, avoiding atomization of the product. Be sure that any container used for mixing or material handling is clean, free of any debris, and uncontaminated.

APPLICATION

Before applying material, please read full technical data sheet for proper preparation, application, and to be sure to follow all safety measures guide lined in this report.

Always test any substrate before overall application to ensure desired results. Please test using the following application instructions. Also, let the test area dry

completely before final inspection and approval.

HORIZONTAL APPLICATION INSTRUCTIONS: Saturate substrate in a single application with enough material to keep the substrate wet for at least 2-3 minutes before penetration. Broom out puddles until surface is penetrated. Re-apply a second coat. Coated surfaces should dry to touch in approximately one hour. The coated substrate should be protected from weathering conditions for at least 8 hours after application. A neutral pH surface may need several days to achieve full water repellency.

VERTICAL APPLICATION INSTRUCTIONS: For best results, apply Repel 75 “wet-on-wet” to a dry and absorbent surface. When using a sprayer, saturate from the bottom up while applying enough material for a 4”-8” rundown below the spray contact point. Let the first application penetrate the substrate for at least 5-10 minutes. Re-apply the material; less material will be needed for the second application. When using a brush or roller, saturate the surface uniformly, letting Repel 75 penetrate for 5-10 minutes. Brush out heavy runs and drips that show signs of no penetration. Apply second coat for maximum protection.

Cleanup tools, equipment, and any surface or object affected by overspray with soap and warm water.

Substrates coated with Repel 75 can be coated with silicone emulsion paints and many oil based paints as well. Testing is always necessary and recommended to assure proper adhesion. Adhesion may be improved if the surface is pressure washed and allowed to dry prior to application. Repel 75 is not a paint primer. Adhesion of cementitious coatings, stucco, plaster, etc., may be adversely affected. These types of substrate treatments should be installed and allowed to fully cure before applying Repel 75. Always test to verify compatibility.

SAFETY INFORMATION

CAUTION: May cause skin and eye irritation. Do not ingest. Keep out of reach of children. Read all precautionary measures carefully prior to use. Please refer to MSDS for detailed safety information. Dried film is USDS approved.