

# Restore-X<sup>®</sup> MAWARE 9030

## MASONRY WATER REPELLENT

### 49D001

## PRODUCT DATA SHEET

### CHARACTERISTICS

Restore-X<sup>®</sup> Masonry Water Repellent (MAWARE 9030) is a stable, VOC compliant concentrate that reduces with water to form a stable penetrating water repellent. MAWARE 9030 was developed to treat a wide variety of mineral substrates including architectural concrete, concrete block, split face block, pavers, stucco, porous and dense brick, clay tile, and exposed aggregate concrete.

MAWARE 9030 can also be used to stop rising damp through damp proof injection into cementitious walls. It is **not recommended** for below grade applications where hydrostatic pressure can be significant.

#### **Product Benefits**

- Serves as an excellent water repellent reducing maintenance costs.
- Promotes water beading, which improves substrate aesthetics.
- Low VOC emissions on curing; EPA compliant.
- Formulated to minimize darkening effects.
- Good stability on highly alkaline surfaces for long-term durability.
- Physically and chemically bonds to the substrates, increasing coating life and making cleaning easier.
- Coatings are UV stable and resistant to biological degradation for longer service life.
- Coatings are vapor permeable to resist cracking, peeling and blistering, and allow carbonation to continue after application. This lengthens coating and substrate lives and allows for greater substrate structural strength over time.
- Coatings can improve adhesion of paints to mineral substances thus priming them for painting.

### SPECIFICATIONS

Appearance:.....milky white liquid  
Silicone Content:.....25%  
Composition:.....Silane/siloxane  
Solvents:.....none  
Nonvolatile Content:.....20%  
VOC:.....200 gm/L  
pH:.....8.0  
Flash Point:.....>200°F (>93.3°C)

#### **Note:**

A test patch should be performed prior to general application to ensure that the desired water repellency and appearance is achieved.

MAWARE 9030 can be used as a primer to provide improved adhesion with paints on mineral substrates.

MAWARE 9030 meets or exceeds the following requirements:

- NCHRP 244
- Federal Specification SS-W-110C
- A.I.M. categories: Waterproofing sealers & Treatments

### SURFACE PREPARATION

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination and the presence of any previous coatings or treatments. Surfaces should be clean, free from dust, dirt, oils, and grease, curing compounds, other coatings, efflorescence and laitance before applying MAWARE 9030. Industrial cleaning methods which are compatible with the application of this product include:

- **Mechanical** - abrasive blasting (sand, baking soda, flint, vacuum)
- **Chemical** - acid etching, stripping, solvent degreasing, caustic soda scrubbing, alkaline soap scrubbing, high pressure washing, high pressure blasting (i.e., with sand)
- **Heat** - propane and acetylene torching.

If using strongly acidic or caustic cleaning agents, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method a test patch should be performed for approval to ensure the desired needs are met.

New concrete should be allowed to cure for at least 30 days before applying MAWARE 9030. In addition, any repair work should be performed at least 3 days before MAWARE 9030 is applied.

### APPLICATION

MAWARE 9030 should be blended with water (tap water is suitable) to achieve the desired concentration (if required) before application (see dilution ratios below). Two coats of the solution should be applied. Apply the second coat while the first is still wet to ensure complete coverage. MAWARE 9030 can be applied by brushing, spraying or dipping. Allow to dry completely before allowing traffic on coated surface. Maximum water repellency is realized in 72 hours depending on curing conditions. Beading generally improves over time.

### RECOATABILITY

Substrates that are coated with MAWARE 9030 at dilution rates greater than 1:1 or higher can generally be recoated with water and solvent based paints.

### CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools with soap and

warm water. After cleaning flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

### **COVERAGE RATES AND DILUTIONS**

|                        | Square Ft/Gal | Dilution |
|------------------------|---------------|----------|
| Architectural Concrete | 80            | 1 : 3    |
| Concrete Block         | 80            | 1 : 3    |
| Split-face Block       | 125           | 1 : 1½   |
| Concrete Pavers        | 40            | 1 : 6½   |
| Stucco                 | 125           | 1 : 1½   |
| Porous Brick           | 150           | 1 : 1    |
| Dense Brick            | 350           | none     |
| Clay Tile              | 75            | 1 : 3¼   |
| Exposed Aggregate      | 325           | none     |

These dilutions and coverage rates have been established to meet Federal Specification SS-W-110C performance requirements.

### **STORAGE**

**MAWARE 9030** has a shelf life of twelve (12) months provided it is stored in tightly closed containers and protected from sunlight and stored at temperatures between 32°F (0°C) and 100°F (38°C).

### **CAUTION**

Protect from freezing. Adequate health and safety precautions should be observed during storage, handling, use and drying periods.

## **READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT.**

### **LIMITATIONS**

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use (including liability for breach of warranty, strict liability in tort, negligence or otherwise) is limited exclusively to replacement of the product or refund of its price. Under no circumstance are we liable for incidental and consequential damages.

Supersedes previous data sheets for this product.

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