

Repell-Ox 1048

Repell-Ox 1048 is a clear masonry and concrete sealer specifically designed for use on exterior porous surfaces to repel water. It is an advanced, exceptionally strong and highly protective coating formulated to provide outstanding water resistance.



Manufacturing Facility:

106 Industrial Way
Charlestown, IN 47111
800-899-3301

Fax: 812-256-2344

www.palladiumsct.com



USES

Repell-Ox 1048 was developed to treat a wide variety of mineral substrates including, but not limited to: architectural concrete, concrete block, split-face block, pavers, cementitious stucco, porous brick, natural and synthetic stone, terra cotta and clay tile, dense brick, granite and exposed aggregate concrete.

ADVANTAGES

- **Low VOC Emissions**
EPA compliant VOC levels of less than 50 g/L.
- **Non-Toxic/Non-Hazardous**
Safe for interior use.
- **Repels Moisture**
Excellent water repellency to reduce cracking and spalling.
- **Vapor Permeable**
A breathable finish that will resist cracking, peeling, blistering, and allowing carbonation to continue after application.
- **Excellent Adhesion**
Can improve adhesion of paints to mineral substances, thus priming them for painting.
- **Bonds to Substrate**
Physically and chemically bonds to substrates increasing coating life and making cleaning easier.
- **Easy Clean Up**
Easily cleaned with soap and water.
- **Warranty**
10 year vertical and 5 year horizontal warranties.

TECHNICAL INFORMATION

Available Colors

Repell-Ox is only available in a non-yellowing clear finish.

Physical Properties

Viscosity	100-200 cps
Density	8.2 +/- 0.1 lbs./gal.
pH	8 +/- 0.5
VOC	40 g/l
% Solids	6.5%
Odor	Odorless when dry
Toxicity	Non-toxic/safe for interior
Shelf Life	2 years
Stability	Salt spray stable
Test Method	ASTM G-53 Rilem Test Method 11.4

Coverage

Substrate	Coverage/Gal.
Architectural Concrete	40-80
Concrete Block	40-80
Split-face Block	70-120
Concrete Pavers	30-40
Cementitious Stucco	60-100
Porous Brick	90-110
Dense Brick	100-150
Clay Tile	40-80
Exposed Aggregate Concrete	150-200

Note: Coverage rates will vary due to porosity of substrate.

Drying Time

Repell-Ox will achieve its maximum water repellency in approximately 7 to 14 days depending on curing conditions.

Packaging

Repell-Ox 1048 is available in 5 gallon pails.

Storage

Store Repell-Ox 1048 in a tightly sealed container in moderate temperatures (between 40° F. and 90° F.)

Clean Up

Clean up uncured Repell-Ox 1048 immediately with soap and water. Dried brushes will require cleaning with lacquer thinner. Spray equipment should be cleaned immediately per the spray equipment manufacturer's recommendations. Dispose of excess materials and Repell-Ox 1048 by following all local, state and federal environmental disposal regulations.

APPLICATION GUIDELINES

READ AND FOLLOW ALL LABEL INSTRUCTIONS PRIOR TO APPLICATION OF THIS PRODUCT.

Surface Preparation

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination and the presence of previous coatings as well as the application of the sealer. Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings and efflorescence before applying Repell-Ox 1048.

Cleaning Methods

Existing Construction

Cleaning methods which are compatible with the application of Repell-Ox 1048 include:

Mechanical: Abrasive blasting (sand, baking soda, vacuum)

Chemical: Acid etching, stripping, solvent degreasing, caustic soda scrubbing, alkaline soap scrubbing, high pressure washing or high pressure washing with sand.

Heat: Propane and acetylene torching.

If strong acidic or caustic agents are used, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method, a test patch should be performed, making sure to follow all manufacturer's recommendations for application and safety, with the customer's approval to ensure that their needs are met.

New Construction

New concrete should be allowed to cure for at least 28 days before applying Repell-Ox 1048. In addition, any repair work should be performed at least 3 days before Repell-Ox 1048 is applied.

Application Temperature

Prior to application of Repell-Ox 1048, check the temperature of the surface and the projected ambient temperatures. Repell-Ox 1048 should not be applied to wet or frozen surfaces, in subfreezing temperatures or when subfreezing temperatures are expected within 24 hours of application. We do not recommend application in temperatures below 40° F., or in continuing wet or humid weather. Repell-Ox 1048 applied during colder, humid weather will take longer to dry. If rain is imminent, do not apply Repell-Ox 1048.

After heavy rain, surfaces should be given several days to dry before application. If weather is hot and sunny, it is best to work around the house so you are always in the shade. Do not apply Repell-Ox 1048 to hot surfaces.

Dispersion

Thoroughly stir the contents of the pail. Continue to stir periodically during application. **NEVER USE WATER TO DILUTE Repell-Ox 1048!**

Application Method

Repell-Ox 1048 can be easily applied by brush, airless sprayer or pump style garden sprayer. If spray application is used, back brushing is mandatory.

Note: Repell-Ox 1048 is not recommended for use on below grade applications (such as foundations) where hydrostatic pressure can be significant.

Repell-Ox 1048 should be applied using a heavy saturation coating procedure to ensure maximum penetration. Maximum water repellency is realized in 7 to 14 days depending on curing conditions. Beading generally improves over time.

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

Maintenance and Recoating

Substrates that are coated with Repell-Ox 1048 are generally recoatable with minimal surface preparation.

AVAILABILITY/SUPPORT

Sealant & Coatings Technologies, Inc. products are available from the Manufacturing Plant in Charlestown, Indiana (800-899-3301) and Distribution Centers, as well as a national network of distributors. Sealant & Coatings Technologies, Inc. will gladly provide technical support upon request.

LIMITED WARRANTY

10 Year Vertical Warranty

Warranty Statement: Sealants & Coatings Technologies, Inc. warrants satisfactory results when used on vertical applications for a period not to exceed ten (10) years from the date of installation of Repell-Ox 1048 when installed in accordance with the application instructions provided by Sealants & Coatings Technologies, Inc.

5 Year Horizontal Warranty

Warranty Statement: Sealants & Coatings Technologies, Inc. warrants satisfactory results when used on horizontal applications for a period not to exceed five (5) years from the date of installation of Repell-Ox 1048 when installed in accordance with the application instructions provided by Sealants & Coatings Technologies, Inc.

Exceptions: These warranties do not cover failures due to the following: Fire, flood, natural disaster or any acts of God; improper storage, handling or installation; plumbing leaks, faulty construction or settling.

Claims Notification: Notification of claims must be made in writing to Sealants & Coatings Technologies, Inc. and accompanied by the original sales receipt. If Repell-Ox 1048 is proved to have failed, Sealants & Coatings Technologies, Inc., at its discretion, will replace the failed material or refund the purchase price of the material only. Sealants & Coatings Technologies, Inc. reserves the right to inspect the jobsite by an authorized representative prior to the settlement of any claims.

Sealants & Coatings Technologies, Inc. sole and complete responsibility for proved material failure is as set forth in this warranty. Sealants & Coatings Technologies, Inc. will not be responsible for incidental, indirect or consequential damages including reinstallation labor. The user is solely responsible for determining the suitability of this product for its intended use prior to application. User assumes all risk and liability in connection therewith. Questions concerning this warranty should be directed to the nearest Sealants & Coatings Technologies, Inc. representative.