

Oxidation Remover

This water based cleaner is biodegradable, non-toxic, user friendly and environmentally safe. It is extremely effective in the removal of oxidation on typical concrete and masonry substrates.

Features and Benefits

- Water Based
- Biodegradable
- Non Flammable
- Contains no TAPs or HAPs (Toxic or Hazardous Air Pollutants)
- Easy clean up with running water
- Low VOCs
- Non-ozone-depleting
- Low odor

Cost Effective:

- Requires much less chemical to achieve desired results
- Reduces man-hours
- Reduces cost of waste disposal

Application Procedures

Test Area

Always prepare a test area prior to full application. This will indicate the time required for project completion and suitability of product for the substrate.

Equipment and Tools

This product is designed for airless spray application. Use only airless equipment with chemical resistant packing. Equip the sprayer with a tip size of 0.019 inches or larger. (Example: a 519 or 425 tip).

Preparation

Masking

Cover / protect areas with poly sheeting where stripping is not desired, including adjoining surfaces where over spray may travel. Plants should be covered or washed thoroughly before and during application.

Mixing

Thoroughly mix with a drill. DO NOT SHAKE. DO NOT DILUTE. During use, if water appears to have separated out of the product, thoroughly mix again with a drill until it becomes homogeneous.

Equipment

Ensure application equipment is free of any previously applied products or chemicals or solvents (especially mineral spirits).

Substrate

Wet substrate until Saturated Surface Dry (SSD). SSD occurs when the substrate's pores are filled with water, but the exposed surface is free of any surface moisture (like a sponge that is soaked, but not dripping wet).

Application

Fully wet the masonry surface prior to applying the Oxidation Remover. Apply a thick, even layer of cleaner onto the concrete or masonry substrate being cleaned. An airless sprayer is the most effective means of application. Always start the sprayer pump at the lowest required pressure setting and slowly buildup the pressure until an adequate fan pattern has been generated. The minimum film thickness should be about 1/32 inch. High

pressure is neither required or desired. High pressure and narrow tip sizes will reduce Oxidation Remover effectiveness. Once applied, leave the Oxidation Remover to dwell for about 15 minutes without agitation—as agitation slows down penetration. Brushing and rolling should be avoided because these methods produce a lower film build and inconsistent thickness of stripper.

Dwell Time

The time required for penetration varies according to the type of substrate, level of oxidation, and the temperature. Leave the cleaner on for a minimum of 15 minutes.

Re-Application

If there is remaining oxidation on the substrate after an initial rinse, reapply the 406 as instructed above.

While the cleaner is dwelling on the substrate, do not allow it to dry out. The cleaner is designed to remain wet and effective over extended periods of time (up to 15 - 30 minutes), but excessive sunshine, windy conditions or insufficient cleaner thickness can cause early drying. If the cleaner starts to dry, reapply a light coating and allow extra time for completion.

Removal and Cleanup

Removal of the cleaner and removed material is accomplished by low-powered spray (1000-1500 psi) with warm water. The substrate surface should be tested for pH neutrality by placing a litmus test paper on the glistening wet surface (Contact Cathedral Stone Products Laboratory for more information). Continue to rinse with warm water until the cleaner and oxidation is removed and when the wall has achieved pH neutrality. When rinsing, always work from bottom to the top.

Any water that runs down the substrate will deactivate the cleaner and will shorten the time the cleaner is allowed to work, therefore never work from the top to the bottom. Collect the rinse water and debris and dispose of in accordance with local government regulations. Do not collect and/or store rinse water, cleaner and waste residue waste residue in metal containers. Clean up spray equipment by running water or denatured alcohol through the equipment soon after the spraying has been completed.

Safety Requirements

Proper safety procedures should be followed at all times while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use.

Limitations

Surface temperatures should be 40° to 85°F (5° to 30°C). The product performs effectively at lower temperatures (even at 32°F, 0°C), but the dwell time increases.

Packaging and Coverage

Packaging: 5-gallon pails.

The product is engineered for thick film build up on vertical and overhead surfaces. The desirable wet film thickness of cleaner is approximately 16 mils (400 microns). Typically, coverage is approximately 100 sq. ft./ US gallon (2.5 sq. m/L)

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Storage And Shelf Life

This product must be stored at temperatures above freezing and below 78°F -- and at low humidity. DO NOT ALLOW PRODUCT TO FREEZE. Do not store in direct sunlight. The shelf life of an unopened container is 1 year.

After use, fully seal any unused portion in its original container prior to storage. If the product was previously opened or was stored longer than a year, test in an inconspicuous location for effectiveness.

Technical Data

Appearance	White semi-translucent gel
Specific Gravity	1.2
Boiling Point	99.3°C
Freezing Point	N/A
pH (direct reading)	2.1

Warning

Not for internal consumption. Keep out of reach of children and animals. Consult Material Safety Data Sheet (MSDS) for specific information.

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