Product Data Sheet

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
- Easy water clean-up
- Low VOC's
- Low Odor
- Non-Ozone Depleting
- Contains no TAP's or HAP's (Toxic/Hazardous Air Pollutants
- 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 effective cleaning of the substrate. Additionally, specific job site consumption rates can be calculated after the test area is completed.

Equipment and Tools

This product is engineered 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 where stripping is not desired, including adjoining surfaces where over spray may travel. Plastic (polyethylene) sheets make a very effective barrier. Plants should be covered or washed thoroughly before and during application.

Mixing

If on visual examination, water appears to have separated out of the product, thoroughly mix the cleaner with a drill until is becomes homogeneous once again. DO NOT SHAKE. DO NOT DILUTE.

7266 Park Circle Drive Hanover MD 21076 410-782-9150

Equipment

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

APPLICATION

Fully wet the masonry surface prior to applying the Oxidation Remover. Apply a thick, even layer of cleaner onto the concrete or masonry substate being cleaned. An airless sprayer is the most effective means to application. Always start the sprayer pump at the lowest pressure setting and slowly build up the pressure until an adequate fan pattern has been generated. The minimum wet film thickness should be about 16 mils (400 microns). High pressure is neither required nor desired. High pressure and narrow tip sizes will break the cleaner's emulsion and will reduce its effectiveness. Once applied, leave the cleaner 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 substate, 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 substate after an initial rinse, reapply the Oxidation Remover as instructed above.

While the cleaner is dwelling on the substrate, do not allow 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 materials is accomplished by high powered spray 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 Product's laboratory for more information). Continue to rinse with warm water until the cleaner and the oxidation are removed and when the wall has achieved pH neutrality. When rinsing, always work from the bottom to the top. Any water than runs down the

7266 Park Circle Drive Hanover MD 21076 410-782-9150

substate 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 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 always be followed 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

Oxidation Remover is available in 5-gallon pails and 55-gallon drums. 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). Store materials in a cool dry place away from direct sunlight. Typical coverage is approximately 100 sq^2/US gallon (2.5 sq. m/L).

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

DO NOT ALLOW PRODUCT TO FREEZE!

7266 Park Circle Drive Hanover MD 21076 410-782-9150