



DeBOND 65

Biodegradable

Paint Remover

Technical Data sheet

General Description:

De-BOND paint remover is a cost effective means for the removal of old paint and coatings systems from steel, concrete, aluminum and other alloys, wood and masonry substrates. De-BOND paint remover effectively removes latex, alkyd, acrylic paints and many high performance coatings such as two component epoxy and urethane materials.

Typical Uses:

De-BOND paint remover is ideal for use in general paint stripping, refurbishment projects in mines, petrochemical plants, pulp and paper mills and other areas where abrasive blast cleaning and removal is not an option because of environmental and/or worker safety concerns. The paint removal process in the restoration of brick, concrete, wood or sandstone buildings can be completed without the abrasive blasting process. This will ensure that the desired aesthetic qualities and appearance of the original structure are not subjected to any unwanted mechanically imposed physical damage which can occur during mechanical blast cleaning procedures. Consult with Protocol for additional information.

Appearance:

White Emulsion/Gel
Specific Gravity: 0.99
Density: 8-10 Lbs./gal
pH: 3-4 buffered
VOC: 418 gm/l (includes water)
Boiling Point: 401°F (205°C)
Freezing Point: 32°F (0°C)
Flash Point: 240°F (116°C)
Temperature Use Range: >40°F (5°C)
Optimum range: 40°-104°F (5°-40°C)
Stability: Stable
Transportation Data: Not Regulated
Clean up: Water

Advantages:

- Extremely effective in the removal of multiple layers of alkyd and latex paints
- Will remove most high performance coatings including two component epoxy, fusion bonded epoxy, and many high performance coating systems.
- Waterbase Material - Flash point 240°F (116°C)

- Low odor
- Contains no Methylene Chloride, Caustics or NMP
- White in color to assist with coverage during application
- Biodegradable

WARNING! Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page.

Application:

DeBOND paint remover is formulated to achieve optimum results utilizing a spray application method. It can be readily applied by airless or HVLP equipment. Do not atomize. The material can be applied by brush or roller, but it has been determined that these methods generally produce a lower film build and inconsistent thickness of the applied product. Brush and roller applications should be restricted to small areas or where spray application is difficult or impractical. For airless application use equipment capable of 2000 psi fitted with chemical resistant packings. Recommended tip size for best application is .021-.031.

Coverage:

Apply a thick even layer of remover onto the coating to be removed. When removing multiple paint/coating layers of 3-4 mils, apply a minimum initial application of 8-10 mils. When removing multiple layers, increase the applied mil thickness by approximately 2 mils per paint layer. When applying by brush or roller, apply a thick even layer. Once applied do not go back over your work as agitating the product slows penetration. The amount of product used is dependent upon coating type, film thickness and ambient substrate temperatures. Optimum coverage is approximately 80 ft² per US gallon.

Dwell Time:

The time required to lift a paint system will vary, depending on:

- type of paints
- number of layers to the substrate
- temperature of the substrate
- ambient temperature

Allow sufficient dwell time to obtain optimum results. It is always advisable to complete a small test patch to establish proper dwell time. Most paint systems will take between 1 and 6 hours to lift. Some high performance systems or high solids specialty coatings may require up to 48 hours of dwell time. When removing multiple finishes, there may be poor adhesion between the layers. In these cases the remover may lift layers prior to reaching the substrate. Remove the lifted layers and reapply. If the material dries before all paint layers are lifted, reapplication will be necessary. Never leave the remover on a substrate longer than necessary.

Preparations:

Ensure all areas not to be stripped are suitably protected. Cover/protect areas where the paint is to be left on. Note: Remove masking tape immediately after application as the remover will release the tape glue onto the substrate or may crawl under the tape, damaging the coating beneath it. Surfaces should be free of dust and oils. Thoroughly mix the remover each time prior to use.

Test Area:

Apply a small test application to determine proper product, dwell times, application

thickness, final removal and cleanup methods.

Caution:

Test product in small area of wood and brick to determine if surface color will be affected.

WARNING!

If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.

Wear an NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Flash point:

240°F

Shipping Weight: Packaging:

5 US gallon and 55 US gallon drum

Temperature:

Ambient and surface temperatures are critical during the stripping process. Optimum results are achieved with temperatures in the 40°-104°F range (5°-40°C). De-BOND paint remover is most effective in warm temperatures. It is not recommended that De-BOND paint remover be applied when temperatures are below 40°F (5°C). Application in direct sunlight and hot surfaces can cause the remover to dry before the removal process is complete. If the surface starts to dry, reapply remover. Good ventilation should be provided in confined areas.

Removal:

Removal of residue can be completed by scraper, squeegee, wet/dry vacuum system or by high pressure (2,500-3,000 PSI) water wash. During the removal process two waste streams are created; liquid waste (composed of the used product and wash water) and solid waste (paint chips/material). Liquid waste is inert and biodegradable; solid waste should be collected and disposed of in accordance with local government regulations.

WARNING! CAUSES EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.

NOTICE:

Products in this series contain solvents.

Do not store stripping material or paint waste in metal containers.

For emergency information call (604) 720-7092. Prior to use, read and follow product-specific MSDS and label information.

If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use.

FIRST AID:

In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. Obtain emergency medical treatment. If swallowed, obtain medical treatment immediately. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. KEEP FROM FREEZING.

Protocol Concrete Protection Products
and proprietary
InnerCrete™ Membrane Technology
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PROTOCOL
Environmental Solutions Inc.

#105B 81 Golden Drive
Coquitlam, British Columbia
V3K 6R2
Canada

Tel: 604-464-0660
Toll free: 1-877-464-0662

www.innercrete.com

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