

PRODUCT DESCRIPTION:

Peel Away® ST-1 Steel Structure Paint Remover is specifically formulated to remove lead based coating systems applied prior to 1978 from steel structures, tanks, bridges and structural support members. Innovative self-sealing performance characteristics allow the product to remain in a moist state and does not require the use of **Dumond® Laminated Paper**. **Peel Away® ST-1** is cost-effective for removing up to 30 coats of lead based coatings in a single application providing the first coat is organic. By keeping the lead paint in a wet state, no airborne lead dust is generated. This water-based, low VOC formulation does not contain methylene chloride.

Peel Away® ST-1 is formulated without flammable solvents, no harmful odors or fumes, and can be easily applied by trowel or the appropriate industrial spray equipment.

MAIN FEATURES:

- Removes lead-based coating systems applied prior to 1978 from steel structures, tanks, bridges and structural support members
- Self-sealing; allows the product to remain wet without covering
- Removes up to 30 coats in one application providing the base coat is organic
- Water-based, low VOC formulation
- Does not contain methylene chloride.
- Non-flammable; no harmful odors or fumes.
- Applied by trowel or industrial spray equipment



TECHNICAL SPECIFICATIONS:

Form:	Blue Paste
Weight:	50 lbs. / 5 Gallons, 22.68 kg / 18.93 Liters
pH:	12
Freeze Point:	32°F, 0°C
Coverage:	Approx. 20 ft ² / gallon, 1.86 m ² / liter
Shelf Life:	Approx. 3 years when tightly sealed and stored properly.

SUBSTRATES:

Recommended to be used on steel surfaces **ONLY**. Not recommended for any other surfaces type. Always conduct a small test prior to full removal. See below.

TESTING:

Always perform a small inconspicuous test area on each type of substrate and paint coating prior to full application. Testing before beginning any project is the best way to ensure product effectiveness, along with proper dwell time and thickness required for your specific application. Failure to do a test patch can result in failed applications, or the need for additional applications, increasing labor and material costs.

PREPARATION:

Prepare surface by pressure washing to remove all loose or peeling coatings. Allow substrate to dry completely before applying. Protect and cover all areas, vegetation, and surfaces not designated to be stripped, including adjoining surfaces. Solvent resistant polyethylene sheets can be used as an effective barrier. Wet down all vegetation and cover with a **Dumond® Drop Cloth** or 6 mil solvent resistant polyethylene sheets.

SURFACE & AIR TEMPERATURES:

To avoid freezing and reduced effectiveness, do not use below 35°F, 1.67°C. For best results, use in temperatures between 50°F/10°C and 90°F/32.2°C. Product effectiveness is increased in warmer temperatures.

APPLICATION & SPREAD RATE:

Dumond® recommends working in smaller manageable areas when stripping unless you are working with many people. Only strip what you can rinse before the remover dries, usually a 3' X 3' area (about 1m x 1m). Using a trowel apply paste at least ¼" (6.35mm) according to test patch results. For 48 hour dwell time ½" (12.7MM) inch is recommended. When applying onto irregular surfaces use nylon brush to force paste into intricate areas. Let **Peel Away® ST-1** dwell at least 12 hours before removing. Product can dwell 12 - 48 hours if necessary. Refer to testing for best results.

SPRAY APPLICATION:

When using a sprayer, a large texture sprayer should be used. Ensure the pump size is at least 1 gallon (3.79L) per min. All filters and manifolds should be removed prior to spraying. Hose size 25' X 1" (7.62m x 25.4mm). Nozzle, trigger texture gun with a #10 fluid nozzle with medium disk. Use high fluid pressure and high pressure at the gun. Keep a clean bucket of water available, as an occasional flush of the pump may be necessary on hot days to alleviate clogs and the pumps inability to build up pressure. Do not leave **Peel Away® ST-1** in the sprayer or spray lines overnight. Flush sprayer and hose thoroughly each day and upon completion with warm water.

REMOVAL & CLEAN UP:

Remove by inserting trowel, spatula, or other paint scraping tool under paste and scraping product from the surface. After all the paste has been removed use a nylon brush or pad and clean water to scrub residue off the substrate, paying particular attention to crevices, grooves, edges, bolts and cracks. Rinse thoroughly with water to remove all remaining residue. For optimal results, low pressure washing is recommended for final rinse when working outside. Remember, only strip what you can rinse before the remover dries. If painting will be performed after stripping, be sure to check the pH prior to coating. If the pH exceeds an 8 then neutralize with **CitriLize® pH Neutralizer**. Dispose of paste remover and dissolved coatings according to federal, state and local regulations.

If product dries or hardens to the surface apply a thick coat of **Peel Away® ST-1** on hardened area and wait a minimum of 1 hour and remove.

WASTE DISPOSAL:

When lead-based paint coatings are being removed from a substrate, disposal of the resulting waste is regulated by the United States Environmental Protection Agency (EPA) and many state and local agencies. Federal standards for classification, handling and disposal of potentially hazardous wastes are detailed in EPA's Resource Conservation and Recovery Act (RCRA) of 1976. Additionally, more stringent regulations may be imposed by state and local regulatory authorities.

HEALTH & SAFETY INFORMATION:

DANGER: Causes severe skin burns & eye damage.

CONTAINS: Calcium hydroxide, sodium hydroxide, and quartz silica.

Handle in accordance with good industrial hygiene and safety practice. Protect the container from physical damage. Since empty containers retain residue, follow all label warnings even after container is empty. Avoid contact with skin, eyes or clothing. Do not breathe mists or aerosols. Remove contaminated clothing and shoes. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Use personal protection recommended in Section 8 of the SDS sheet. Use only in well-ventilated areas.

Full Safety Data Sheet (SDS) available at dumondglobal.com/products/peel-away-st1.

For Additional Emergency Information: 1-800-535-5053 in North America, 1-325-323-3500 Internationally

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 a 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.

AVAILABILITY & COST:

Dumond® products are available through a nationwide network of paint stores, hardware stores and safety supply distributors. For outlet nearest you please visit www.dumondchemicals.com once on the website type your zip code or postal code into the dealer locator to find addresses and phone numbers of your nearest dealer.

WARRANTY:

Dumond® warrants all of its products to be free from defects and makes no other warranties with respect to its products, express or implied, including without limitation the implied warranties of MERCHANTABILITY OF FITNESS FOR PARTICULAR PURPOSE. **Dumond®** liability shall be limited in all events to supplying sufficient products to re-treat the specific areas to which defective product have been applied. **Dumond®** shall have no other liability, including liability for incidental, consequential, or resultant damages whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of **Dumond®** or its distributors, and dealers.

253 S. Bailey Rd., Downingtown, PA 19335

(610) 383-6061

info@dumondglobal.com