



Peel Away® ST-1 – Steel Surfaces Paint Remover

Tech Data Sheet

Product Description & Use: Peel Away® ST-1 Steel Structures Paint Remover is specifically formulated to safely and effectively 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 Steel Structures Paint Remover is a cost-effective method for removing up to 30 coats of lead based coating systems 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, zero VOC formulation does not contain methylene chloride. Peel Away® ST-1 Steel Structures Paint Remover is formulated without flammable solvents, no harmful odors or fumes and can be easily applied by trowel or the appropriate industrial spray equipment.

Features & Benefits:

- Specifically formulated to safely and effectively remove lead-based coating systems applied prior to 1978 from steel structures, tanks, bridges and structural support members
- Self-sealing performance characteristics allow the product to remain in a moist state and does not require the use of **Dumond® Laminated Paper**
- Removes up to 30 coats in one application providing the first coat is organic
- Water-based, zero VOC formulation
- Does not contain methylene chloride
- Non-flammable; no harmful odors or fumes
- Applied by trowel or the appropriate industrial spray equipment

Limitations: Not recommended to be used on any other surfaces besides steel. Always do a test patch prior to full removal.

Test Patch: 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. Test patches can determine the proper dwell time and thickness to apply the product for you specific application. Failure to do a test patch can result in need for more than one application, increasing labor and material costs.

Recommended Substrates: Before applying to the entire substrate always do a test patch. **Peel Away® ST-1** Steel Surfaces Remover is only recommended for the use on steel surfaces.

Regulatory Information: VOC compliance - **Peel Away® ST-1** Steel Surfaces Remover meets national, state and local regulations.

Preparation: Prepare surface by pressure washing to remove all loose or peeling coatings. Allow substrate to dry before applying **Peel Away® ST-1** Steel Surfaces Remover. 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 **Dumond® Catch-N-Cover™** or 6 mil solvent resistant polyethylene sheets.

Surface and Air Temperatures: To avoid product from freezing and reducing effectiveness do not use below 35° degrees Fahrenheit. For best results, use product in temperatures above 50° degrees Fahrenheit and below 90° degrees Fahrenheit. Product effectiveness is increased in warmer temperatures.

Application & Spread Rate: **Dumond® Chemicals** always recommends working in smaller manageable areas when stripping unless you are working with a large number of people, only strip what you can rinse before the remover dries, usually a 3' X 3' area. Using a trowel apply paste at least ¼" according to test patch results. For 48 hour dwell time ½" inch is recommended. When applying onto irregular surfaces use nylon brush to force paste into intricate areas. Product can dwell 12-48 hours if necessary. **Peel Away® ST-1** Steel Surfaces Remover provides an average spread rate of approximately 20 Sq. Ft. per gallon; results may vary based on substrate texture and porosity.

Spray Application: **Dumond® Chemicals** recommends that **Peel Away® ST-1** Steel Surfaces Remover be sprayed with a large texture sprayer. Pump size should be at least 1 gallon per min. All filters and manifolds should be removed prior to spraying. Hose size 25' X 1". 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** Steel Surfaces Remover in 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 paste has been removed use a nylon brush or Scotch™ Brite 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, usually a 3' X 3' area. 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 our **Peel Away® Neutralizer**. Dispose of paste remover and dissolved coatings according to federal, state and local regulations.

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. Additional, more stringent regulations may be imposed by state and local regulatory authorities.

Best Practices:

- Always test each type of surface and paint coating for efficacy, dwell times and thickness. Let the **Peel Away® ST-1** Steel Surfaces Remover dwell at least 12 hours before removing.
- Never apply **Peel Away® ST-1** Steel Surfaces Remover and leave it for 24-48 hours without checking on it
- If product dries or hardens to the surface apply a thick coat of **Peel Away® ST-1** Steel Surfaces Remover on hardened area and wait a minimum of 1 hour and remove.

Availability & Cost: **Dumond® Chemicals** 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.

Health & Safety Requirements: Not for internal consumption. While **Peel Away® ST-1** Steel Surfaces Remover is formulated to be safe for the user, surface and environment, proper safety procedures should be followed at all times when handling this product. Read the full label and MSDS for precautionary instructions before use.

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.

24-Hour Emergency Information:

1-800-535-5053 **North America** or 1-325-323-3500 **International**

Warranty: Dumond® Chemicals, Inc. 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® Chemicals, Inc. 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® Chemicals, Inc. 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® Chemicals, Inc. or its distributors, and dealers.

Technical Services: Dumond's expert staff is available to answer technical questions and provide product-specific information. On-site assistance is available at no additional cost. Call 800-245-1191, email info@dumondglobal.com or visit www.dumondchemicals.com with product or technical questions.

Technical Data:

- **Form** - Blue Paste
- **Wt./Gal** -
- **Flash Point** - None
- **pH** - 12
- **VOC** - 0
- **Freeze Point** - 32
- **Shelf Life** - 3 Years



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