

## Peel Away<sup>®</sup>st-1 Steel-Surface Paint Remover

- 1. Product Description & Use:** Peel Away<sup>®</sup>ST-1 is a water based, high viscosity alkaline paste, providing high build and high adhesion characteristics, that is specifically formulated for the removal of lead-based paint and/or other coatings from steel structures including water and other storage tanks, bridges, etc. This product contains no toxic or flammable solvents. In most cases, a single application of Peel Away<sup>®</sup>ST-1 will remove multiple layers of old paint. Apply Peel Away<sup>®</sup>ST-1 by trowel or spray; it adheres quickly and will cling to vertical, horizontal and overhead surfaces. Its self-sealing characteristic allows Peel Away<sup>®</sup>ST-1 to remain moist and continue working throughout the removal process, without requiring any cover.
- 2. Features & Benefits**
  - One application will remove lead-based and oil-based paints and coatings from steel structures
  - Self-sealing paste controls dispersal of lead dust during removal process
  - Non-toxic, water-based, biodegradable formula does not include methylene chloride or flammable solvents
  - High build, high adhesion characteristics increase adhesion to vertical, horizontal and overhead surfaces
- 3. Limitations:** Product efficiency is reduced below temperature of 40°F. Ideal ambient conditions are temperatures above 50°F, with high relative humidity. An alkaline product, Peel Away<sup>®</sup>ST-1 will not work on epoxies, urethanes, chlorinated rubber, or other chemically resistant coatings. (Peel Away<sup>®</sup> 7 is recommended for removing epoxies, urethanes, chlorinated rubber, and other chemically resistant coatings.)
- 4. Test Patch:** Always prepare a test area on each type of surface and paint coating prior to full application. Testing before beginning the project is the best way to determine how thickly to apply Peel Away<sup>®</sup>ST-1 to ensure a complete strip with one application, and how long it must remain in place (dwell time) before removing. Applying the paste too thickly or unevenly, or, removing it too quickly, may result in need for more than one application, increasing your labor and material costs.
- 5. Preparation:** Cover and protect areas where stripping is not desired, including adjoining surfaces where overspray may travel. Polyethylene and masking tape create an effective barrier. Plants and other foliage should be covered during application. Proper job site preparation will ensure that all chemical stripper residues will be contained in accordance with local and federal guidelines applying to lead-based paint. Generally, job sites where Peel Away<sup>®</sup>ST-1 is used require only that spent residues not contact with ground or water. For general guidelines covering chemical stripping containment, consult Steel Structures Painting Council Guide 6.
- 6. Application & Spread Rate:** Peel Away<sup>®</sup>ST-1 can be hand-trowelled or sprayed using a GRACO King or President airspray pump adapted for this product. Patch test results will determine how thickly to apply this product to ensure that a single application will completely remove old coatings. Dwell time is generally between 12 to 24 hours, depending on test patch results. Peel Away<sup>®</sup>ST-1 provides an average spread rate of 20 – 25 square feet per gallon at 0.060 inch wet film thickness; results may vary.
- 7. Removal:** Peel Away<sup>®</sup>ST-1 residues are generally removed using broadknives for bulk removal, followed by a low pressure, low volume rinse using an airless paint pump, with a 0.018-0.021 inch tip, assuring that liquid waste will be minimized. Direct residues to containment surfaces for collection before disposal. Follow all appropriate guidelines for residue/waste collection and disposal. Alternate removal processes such as Ice Blast or CO2 blasting may be used if applicable. Pressure washing is not recommended as it produces a greater volume of liquid waste, which may contain lead.

8. **Clean Up:** Test Peel Away®ST-1 residue/waste for hazardous materials before disposing; test results will determine disposal process. After testing, follow appropriate federal, state and local disposal guidelines.
9. **Surface Preparation before repainting:** Steel surfaces stripped with Peel Away®ST-1 will generally exhibit some degree of alkalinity, and may require an additional water rinse, or rinsing with Peel Away® Neutralizer, may be required based on paint manufacturer recommendations. In addition, an SSPC SP-6 or SP-7 blast may be required prior to painting, again based on painting requirements. When working with previously profiled steel surfaces, surface tolerant coatings can be used, thereby eliminating any subsequent abrasive blasting. In any case, always verify surface pH before recoating.
10. **Availability & Cost:** Peel Away® products are available through a nationwide network of paint and hardware stores, and construction and safety supply distributors. For outlet nearest you, call 800-245-1191 or email [plaway@aol.com](mailto:plaway@aol.com). Cost will vary depending upon conditions and number of coats to be removed. Peel Away®ST-1 provides an average coverage rate of 20 – 25 square feet per gallon at 0.060 inch wet film thickness.
11. **Precautions & Safety Requirements:** Wear long rubber or latex gloves, and face shield or goggles. Wear suitable protective clothing if removing with a pressure washer. Wear a carbon filter mask or its equivalent when working in a confined area. Follow manufacturer instructions when spraying.
12. **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 has 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 or Dumond Chemicals, Inc. or its distributors, and dealers.

13. **Technical Services:** Dumond's expert staff is available to answer technical questions and provide product-specific information required by architects, specifiers, contractors and property owners. Expert, on-site assistance is available at no additional cost. Call 800-245-1191 or email [plaway@aol.com](mailto:plaway@aol.com) with product or technical questions.

### Technical Data

<b>Physical Form:</b>	<b>Blue Paste</b>
<b>Viscosity:</b>	<b>26.5</b>
<b>Flash Point:</b>	<b>None</b>
<b>VOCs:</b>	<b>None</b>
<b>pH:</b>	<b>13.0</b>