



## Smart Strip® 1 – Heavy Duty Paint Remover

## Tech Data Sheet

**Product Description & Use:** Smart Strip™ 1 Heavy-Duty Paint Remover is the **#1 Choice of Professionals** who perform historic restoration and lead paint abatement for over 35 years. This environmentally safe paint remover is formulated for lead-based coating systems prior to 1978. The **Smart Strip®1 HD** System includes Citri-Lize™ Neutralizer, pH Test Kit, Dumond® Laminated Paper, Alkaline Paste, Plastic Applicator and simplified instructions for all customer types. **Smart Strip®1 HD** is a cost-effective method for removing up to 30 coats of old oil-based lead paints 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. **Smart Strip™ 1 Heavy-Duty Paint Remover** is formulated without flammable solvents, no harmful odors or toxic fumes, making this product ideal for interior and exterior applications when removing paint from wood, brick, stone, metal, most plaster substrates and more. **Smart Strip™ 1 Heavy-Duty Paint Remover** is excellent for removing old coatings from intricate, carved or molded surfaces.

### **Features & Benefits:**

- Environmentally safe removal system for lead-based coating systems prior to 1978
- Removes up to 30 coats in one application providing the first coat is organic
- Ideal for wood, brick, stone, metal, most plaster substrates and more
- Water-based, zero VOC formulation
- Does not contain methylene chloride
- Non-flammable; no harmful odors or fumes
- Suitable for interior and exterior applications
- The **Smart Strip™ 1 HD** system includes **Citri-Lize™** Neutralizer, pH Test Kit, **Dumond® Laminated Paper**, Alkaline Paste, Plastic Applicator and simplified instructions
- Applied by trowel or the appropriate industrial spray equipment

**Limitations:** Not recommended for use on veneer, plywood, drywall, aluminum, brownstone, sandstone, limestone, fiberglass, glass laminates, Plexiglass, plastics, rubber and EIFS. **Smart Strip® 1** will darken hardwoods. Not recommended for the removal of epoxies, urethanes, chlorinated rubber, cementitious paints, baked finishes and other high-performance coatings. 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. Recommended for use on wood, concrete, cement, stone, stucco, plaster, cast iron, steel, marble, terra cotta, granite, terrazzo, copper, tiles, enamel, clapboard and slate.

**Regulatory Information:** VOC compliance - **Smart Strip® 1** meets national, state and local regulations.

**Preparation:** Prepare surface by scraping or pressure washing to remove all loose or peeling coatings. Allow substrate to dry before applying **Smart Strip® 1**. Protect and cover all areas, vegetation and surfaces not designated to be stripped including adjoining surfaces where overspray may travel. 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 striping unless you are working with many people, only strip what you can rinse before the remover dries, usually a 3' X 3' area. Using a trowel apply paste according to test patch results. For 48-hour dwell time ¼ inch is recommended. When applying onto irregular surfaces use nylon brush to force paste into intricate areas. Cover all paste with **Dumond® Laminated Paper** while being careful to smooth out all air pockets. Product can dwell 12-48 hours if necessary. **Smart Strip® 1** 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 **Smart Strip® 1** 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 **Smart Strip® 1** 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 scrapping tool underneath paste and lift **Dumond® Laminated Paper** while scrapping. After all paste has been removed use a nylon brush and clean water to scrub residue off the substrate, paying particular attention to crevices, grooves, 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. Dispose of paper, paste remover and dissolved coatings according to federal, state and local regulations. For best results, wait at least 24-48 hours before neutralizing.

**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.

**Neutralization:** Use **Citri-Lize™** Neutralizer (included in kit) for neutralization process. **Dumond® Chemicals** recommends waiting 24-48 hours before neutralizing porous surfaces. Neutralizing is required when re-painting or re-staining after paint removal. Failure to properly clean and neutralize the surface as directed may result in alkaline residue that may cause hazing and/or subsequent coating failure. **Citri-Lize™** Neutralizer can be applied at any point after paint removal, however is most effective when applied to a dry substrate. Follow directions for water ratio on the back of the **Citri-Lize™** bag and use plastic sprayer to thoroughly coat entire substrate. Allow substrate to dry and test with PH test strips, repainting can occur when PH range is between 5 and 8 and the moisture content is below 12%.

**Re-Painting Wooden Surfaces:** For best results on wooden surfaces use a moisture meter before re-painting. Re-Painting can occur at readings of 12% moisture or below. **Dumond® Chemicals** recommends the use of a premium 100% acrylic stain blocking primer on all wooden surfaces to minimize moisture problems including peeling. Cedar, redwood and cypress woods have a tendency to bleed resin and or tannic acids. Extra drying time may be required before painting these surfaces (up to as much as 60 days in some cases) otherwise staining may occur. If this occurs, spot prime those areas with an alkyd based stain killing primer. Ask your paint supplier for a premium primer that retards and seals in extractive bleeding and discoloration.

**Best Practices:**

- Always test each type of surface and paint coating for efficacy, dwell times and thickness. Let the **Smart Strip® 1** dwell at least 12 hours before removing.
- Never apply **Smart Strip® 1** and leave it for 24-48 hours without checking on it

- If product dries or hardens to the surface, remove the **Dumond® Laminated Paper** and apply a thin coat of **Smart Strip® 1** on hardened area, reapply **Dumond® Laminated Paper** and wait 30 minutes to 1 hour and remove.
- Use straight white vinegar as a substitute for **Citri-Lize™** neutralizer
- Use butchers paper or freezer paper as a substitute for **Dumond® Laminated Paper**
- Wood bleach can be used on wooden surfaces (after **Citri-Lize™** Neutralizer has been apply) to lighten substrate

**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](http://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 **Smart Strip® 1** is formulated to be safe for the user, surface and environment, proper safety procedures should be followed always 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](http://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](mailto:info@dumondglobal.com) or visit [www.dumondchemicals.com](http://www.dumondchemicals.com) with product or technical questions.

**Technical Data:**

- **Form** - White Thick Paste
- **Viscosity** - 26.5
- **Specific Gravity** - 1.44
- **Wt./ Gal** - 12.0 Pounds
- **Flash Point** - None
- **Solid Content** - 58.0
- **VOC** - Zero
- **PH** - 13.0
- **Freeze Point** - Maintain above 32 degrees F°
- **Shelf Life** - 2 years in a tightly sealed container and kept in a warm, clean and dry environment.



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