

Delaminator™ Seal and Coating Remover

Technical Data Sheet DE-1006

FOR PROFESSIONAL USE ONLY. Read all applicable and current product information for your project: Technical Data Sheet (TDS), Color Chart, Installation Guide, Safety Data Sheet (SDS). All information is available for download online at www.butterfieldcolor.com and at point of purchase.

MasterFormat™ Guide Specifications, and Butterfield Color® Architectural Details and Specifications are available for the specifier/designer. All information is available for download online at www.butterfieldcolor.com and at point of purchase.

1. Description: Delaminator™ is a water-based, biodegradable, low odor and a user-friendly coating remover. It is effective for lifting a variety of paints and coatings from concrete, metal, masonry and stone. It will remove acrylic, urethane and latex coatings. It is particularly useful when mechanical coating removal is prohibitive or ineffective. Delaminator™ is non-flammable and is safe for indoor or outdoor use. Clean tools and substrate with water.

2. Limitations: Surface and ambient temperatures during application should be between 65° to 90°F (18° to 32°C). At lower temperatures the dwell time will increase. At higher temperatures, material may prematurely dry before the paint or coating is dissolved. Delaminator™ may soften or damage plastic and rubber. Protect adjacent painted or coated surfaces with plastic sheeting during application. Clean up spills or overspray immediately from surfaces susceptible to damage.

3. Packaging: Delaminator™ is available in 1-gallon (3.8 L) and 5-gallon (19 L) pails. Pails should be stored in a cool, dry place when not in use. Do not allow material to freeze. Do not reuse empty container.

3.1 Shelf Life: 1 year, when stored in original, unopened containers, in dry storage. Do not use material that has been frozen.

4. Coverage: A gallon pail covers 60-100 square feet (1.5 to 2.5 m²/L). Apply full strength. Do not dilute. Coverage will vary with surface texture and application method. Multiple applications may be needed depending upon the type of coating and its thickness. NOTE: Prepare a test area on the actual surface. Use the same tools and techniques that will be utilized on the job to determine the coverage rate:

number of applications, dwell time, product effectiveness, substrate compatibility, and removal method.

5. Application Tools: Apply Delaminator™ with a airless sprayer, brush, or roller (vertical surfaces only). Spraying is the most effective and economical method of application by reducing over-application. The airless sprayer should be equipped with a 0.019 inch or larger orifice. Using a smaller orifice size or excessive air pressure may contribute to premature drying and diminish the effectiveness of the material. Multiple brushes or rollers may be needed, since these tools may soften or dissolve with exposure to the stripping product. Use clean equipment free from water, solvent or paint residues. NOTE: All application tools must be chemical resistant. Clean application tools with clean water immediately after use.

6. Application: Do not proceed with application until the test area has been approved. Protect adjacent painted or coated surfaces and plant material with plastic sheeting. Prevent the stripping product from dissolving the masking tape securing the plastic sheeting by double taping. Remove the over-sprayed top layer of tape immediately after applying product, leaving in place the clean bottom layer of tape. Do not leave tape directly on concrete for extended periods, particularly if the surface is in the hot sun. Adhesive residues may inhibit the application of stains or sealers.

Facilitate mixing by storing material at moderate temperatures. Mix material with a powered drill. Do not hand mix. Mix at low speeds until material is a uniform color and consistency. Mixing time for a 5-gallon pail is 3-5 minutes.

6.1 Initial Application: Apply an even layer of Delaminator™ to the coating's surface. When spraying, utilize the

lowest pressure possible to create a fan pattern. Apply stripper at 1.5-2 times the thickness of the underlying coating. If an insufficient amount of stripper is applied, drying may occur, which will require another application of Delaminator™. Heat, wind, and low humidity may also contribute to excessive drying before the stripper has successfully lifted the coating. Ensure that the coating is completely covered with the Delaminator™. To avoid running on very glossy vertical surfaces, apply the stripper to the desired thickness in two applications. Apply the initial amount of material until the underlying coating's color is masked. After approximately 15 minutes, apply the balance of the stripper.

6.2 Dwell Time: After the initial application, Delaminator™ must penetrate the coating. Do not brush or agitate the surface. The time required for penetration will vary with the type of coating, thickness, temperature, and humidity. Allow 1-3 hours dwell time before attempting removal of the dissolved coating. If the product dries during the dwell time, lightly apply more Delaminator™.

6.3 Reapplication: A multi-layered coating may require additional applications of Delaminator™, as each layer is dissolved and removed. Thoroughly remove the delaminated layer and allow surface to dry before applying Delaminator™ to the next layer. Allow the appropriate dwell time for each application of Delaminator™ before attempting removal. Stamped concrete, broom textured concrete, joints and similarly profiled surfaces may require reapplication of Delaminator™ if the coating has built up in the depressions.

7. Removal: Once the Delaminator™ has completely penetrated and dissolved the coating, removal should



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occur within 1 to 3 hours. As the delaminated material re-dries, it can become more difficult to remove. Use a scraper, stiff bristled brush, squeegee, wet vacuum, high-pressure washing, or a combination of these methods for removal. Evaluate the removal method prior to the actual application to assess its impact on the underlying substrate as to scratching, abrading, or etching. Remove the delaminated residue, followed by a thorough rinsing with water. The water component of Delaminator™ and the water used to rinse surfaces may cause a flash rusting of metals prone to oxidation. Clean removal tools with clean water immediately after use. Dispose of all residues in accordance with local, state, and federal guidelines. Additional surface preparation may be needed for stripped substrates that will be stained, sealed, painted, or overlaid. Consult with the manufacturer of those materials.

8. Quality Control: Create a job site sample or test area prior to the removal process. Utilize all materi-

als, tools, and techniques from the actual job in the job site sample. If the surface will be re-sealed, verify adequate wet and dry slip resistance of the sealed surface. Verify maintenance requirements. Site visits by Butterfield Color, Inc. Personnel are for making technical recommendations only and not for supervising or providing quality control.

WARNING: MAY CAUSE EYE, SKIN, AND RESPIRATORY IRRITATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING DURING APPLICATION. ENSURE ADEQUATE VENTILATION DURING AND AFTER APPLICATION. IN CASE OF SPILLAGE, ABSORB AND DISPOSE OF MATERIAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE USE, READ SAFETY DATA SHEET. ALL INFORMATION IS AVAILABLE FOR DOWNLOAD ONLINE AT WWW.BUTTERFIELDCOLOR.COM AND AT POINT OF PURCHASE.

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Suggested Short Form Specification for Delaminator™:

Protect adjacent surfaces not receiving coating remover with plastic sheeting and double tape. Apply even coat of Butterfield Color® Delaminator™ according to manufacturer's instructions to a thickness of 1.5- to 2-times the thickness of the coating. For multi-layer coatings, remove delaminated layer and reapply coating remover to each subsequent layer. Allow coating to remain on surface for period established by mock-up. If coating remover dries during dwell time, lightly reapply. Do not brush or agitate the surface. Remove coating within 1 to 3 hours of application using removal tools. Rinse with water to remove residue and dispose of residue legally. Clean tools immediately after use. Clean spillage and residue from adjacent surfaces.