

## SECTION 09 01 90

### PAINT STRIPPER

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. Section Includes: Application of a paint stripper to remove multiple layers of existing organic paints and coatings from mineral surfaces.
- B. Related Sections: Related sections include the following:
  - PLACE RELATED SECTIONS BELOW. EXAMPLES INCLUDE:*
  - 1. Section 09 01 90 – Maintenance of Painting and Coating

##### 1.2 DEFINITIONS

- A. Paint Stripper: A gel applied to a painted surface.
- B. Plastic: A polyethylene plastic film.

##### 1.3 SYSTEM DESCRIPTION

- A. An environmentally-safe stripper effective on most existing organic paints and coatings.
  - 1. Paint Stripper: An aromatic-free biodegradable water soluble paint remover.
  - 2. Plastic: A polyethylene plastic film covering the applied paint stripper to increase stripper effectiveness.

##### 1.4 SUBMITTALS

- A. Product Data: Submit product data showing material proposed. Submit sufficient information to determine compliance with the Drawings and Specifications. Provide published documentation describing materials, characteristics, and limitations.
- B. Samples: Submit samples for verification purposes, fabrication techniques and workmanship.
- C. Manufacturer's Instructions: Submit manufacturer's instructions including technical data sheets, material safety data sheets, mixing instructions, application requirements, special procedures, and conditions requiring special attention.
- D. LEED Submittals: Submittals that are required to comply with requirements for LEED certification include the following:
  - 1. Low-Emitting Materials: Submit certification by the manufacturer confirming that products (i.e., adhesives, sealants, paints, coatings, etc.) meet or exceed the volatile organic compound (VOC) limits set by specific agencies or other requirements. Clearly state VOC limits in the submittal.

##### 1.5 QUALITY ASSURANCE

- A. Qualifications:
  - 1. Manufacturer Qualifications: Provide evidence that Manufacturer is a firm engaged in the manufacture of paint removers of types required, and whose products have been in satisfactory use in similar service for a minimum of ten years.
  - 2. Applicator Qualifications: *(BELOW, KEEP ONE AND DELETE THE OTHER)*

- a. Provide evidence Applicator is a firm having a minimum of three years of successful application experience with projects similar in type and scope to that required for this Project, and having passed a product certification training course provided by the manufacturer prior to the execution of this unit of work.
  - b. Provide evidence Applicator is a firm having successful application of products within this specification with at least one project in the last 18 months similar in type and scope to that required for this Project, and having passed a product certification training course provided by the manufacturer prior to the execution of this unit of work.
- B. Mock-ups:
1. Prior to application of the work, fabricate and erect mock ups for each type of finish and application to verify selections made under sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution.
  2. Build mock ups to comply with the following requirements using materials indicated for final unit of work.
  3. Locate mock ups as directed by the Architect.
  4. Demonstrate the proposed range of aesthetic effects and workmanship to be expected in the completed work.
  5. Obtain the Architect's acceptance of mock ups before start of final unit of work.
  6. Retain and maintain mock ups during construction in undisturbed condition as a standard for judging completed unit of work.
  7. Maintain a record of approved mock up's product mixing and application steps to incorporate into final unit of work to ensure color consistency and textural aesthetics.
- C. Tracking Job Progress with Daily Logs
1. Maintain a daily record of the weather conditions, of material ordered and delivered, material used, inspections, areas of work that began, areas of work that were completed, and questions raised and answers received.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the Project site in supplier's or manufacturer's original wrappings and containers, labeled with manufacturer's name, material and product brand name, and lot number, if any.
- B. Store materials in their original undamaged packages and containers inside a well ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.

#### 1.7 PROJECT CONDITIONS

- A. Environmental Requirements:
  1. Substrate and ambient air temperature must be between 41 °F and 86 °F. Ideal temperature is 68 °F. Maintain temperature during application.
  2. Do not apply when rain is expected, in high winds, or onto hot substrates.

#### 1.8 WARRANTY

- A. Warranty Period: Product warranty is one year from date of purchase.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

#### A. Basis of Design:

1. Items specified are to establish a standard of quality for design, function, materials, compatibility, performance, warranty, and appearance.
2. Equivalent products by listed manufacturers are acceptable.
3. The Architect is the sole judge of the basis of what is equivalent.

B. KEIM Mineral Coatings of America, Inc., 10615 Texland Blvd. #600, Charlotte, North Carolina 28273. Telephone 704-588-4811. Email keim-info@keim.com.

### 2.2 MATERIALS

#### A. Paint Stripper:

1. Water emulsifiable mixture.
2. Contains no CFC's, chlorinated hydrocarbons, or aromatic hydrocarbons.
3. Removed with water.
4. 7 grams per liter VOC (Volatile Organic Content).
5. Basis of Design: "KEIM Bio-Stripper", KEIM Mineral Coatings of America, Inc.

B. Plastic: A polyethylene based plastic sheet provided in rolls 1 meter wide by 50 meters long. No VOC.

1. Basis of Design: "KEIM Plastic", KEIM Mineral Coatings of America, Inc

### 2.3 EQUIPMENT

#### A. Tools:

1. Paint Stripper: Apply a uniform saturation coat with a soft natural bristle brush, lambs-wool roller, or by airless spray.
2. Plastic: Trim using scissors or sharp bladed tool.

## PART 3 EXECUTION

### 3.1 EXAMINATION

A. Verification of Conditions: Confirm by examination the areas and conditions under which the work is to be applied for compliance with manufacturer's instructions. Do not proceed with the work until unsatisfactory conditions have been corrected.

1. Clean surfaces leaving them free of dirt or grease.
2. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Applicator.

### 3.2 PREPARATION

#### A. Protection:

1. Lay ground cloths and take measures as necessary to protect surfaces subject to contact by products specified by this Section.

### 3.3 APPLICATION

- A. Conform to reviewed product data, manufacturer's written instructions, and provisions of the Contract Documents.
- B. Plan the work properly.
  - 1. Do not apply to hot surfaces. Work ahead of the sun or on shaded façades.
  - 2. Protect from wind and rain prior to and during application.
  - 3. Obtain manufacturer's written instructions for application outside of the above parameters.
- C. Paint Stripper and Plastic:
  - 1. Determine ideal exposure time on a trial area. A longer exposure time may be required for thicker systems (multilayer coatings, crack-bridging systems, synthetic resin renders).
  - 2. Apply a thick layer of Paint Stripper. Cover with polyethylene plastic and seal edges. Allow time for stripper to chemically penetrate paint layers. Test effectiveness with scraper to determine when paint coatings are soft enough for removal.
  - 3. If the stripper film becomes matte without dissolving the undermost layer apply another coat wet-on-wet.
  - 4. Remove paint coatings by one or more methods such as scrub brush and clean water, rinsing with low pressure hot water, or with a scraper. Perform hot water treatment from the bottom up.
  - 5. Remove interior coatings with a scraper and wash down with clean water and a sponge or scrub brush.

### 3.4 CLEANING

- A. Clean tools, spills, and accidental drips with plenty of water.
- B. Leave applications clean and premises free from residue and debris from work of this Section.

END OF SECTION