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## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section.

Section numbers are from *MasterFormat 1995 Edition*, with section numbers from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

### SECTION 09960 (09 96 13)

#### INTERIOR ABRASION-RESISTANT COATING

Specifier Notes: This section covers ProCoat Products, Inc. “ProBond” two-component, abrasion-resistant, waterborne, gloss enamel catalyzed coating for use on new or previously painted interior fiber-reinforced plastic (FRP) panels. The coating is available in a full range of bases for tinting.

The coating can also be applied to interior concrete masonry units (CMU), gypsum board, plaster, wood (not wood floors), galvanized steel, steel, aluminum, painted concrete floors, and other surfaces.

Consult ProCoat Products, Inc. for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Interior waterborne gloss enamel catalyzed coating.

##### 1.2 SUBMITTALS

Specifier Notes: Edit submittal requirements as required. Delete submittals not required.

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer’s product data, including surface preparation, mixing, and application instructions.
- C. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
- D. Warranty Documentation: Submit manufacturer’s standard warranty.

### **1.3 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying:
  - 1. Coating or material name.
  - 2. Manufacturer.
  - 3. Color name and number.
  - 4. Batch or lot number.
  - 5. Date of manufacture.
  - 6. Mixing and thinning instructions.
- B. Storage and Handling Requirements:
  - 1. Store and handle materials in accordance with manufacturer’s instructions.
  - 2. Keep materials in manufacturer’s original, unopened containers and packaging until application.
  - 3. Store materials in clean, dry area indoors within temperature range in accordance with manufacturer's instructions.
  - 4. Store materials out of direct sunlight.
  - 5. Keep materials from freezing.
  - 6. Do not use materials beyond manufacturer’s shelf-life limits.
  - 7. Protect materials during storage, handling, and application to prevent contamination.

### **1.4 AMBIENT CONDITIONS**

- A. Do not apply coating when surface temperatures are below 50 degrees F.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. ProCoat Products, Inc., 260 Centre Street, Suite D, Holbrook, Massachusetts 02343. Phone (781) 767-2270. Fax (781) 767-2271. Website [www.procoat.com](http://www.procoat.com). E-mail [info@procoat.com](mailto:info@procoat.com).

### **2.2 INTERIOR ABRASION-RESISTANT COATING**

- A. Interior Waterborne Gloss Enamel Catalyzed Coating: “ProBond”.
  - 1. Exposure: Interior.

2. Components: 2.
3. Specular Gloss: 75, plus or minus 5, at 60 degrees.
4. Solids:
  - a. By Volume: 30.6 percent, plus or minus 2 percent.
  - b. By Weight: 32.0 percent, plus or minus 2 percent.
5. Vehicle: 77.4 percent, plus or minus 2 percent.
6. Pigment: 22.6 percent, plus or minus 2 percent.
7. Viscosity at 77 Degrees F: 93 KU, plus or minus 5 KU.
8. Maximum VOC: 250 g/L.
9. Flash Point: Non-combustible.
10. Thinner: Water.
11. Dry Film Thickness (DFT): 1.5 mils.
12. Self-priming over existing sound painted surfaces.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas and conditions under which coating is to be applied.
- B. Notify Architect of areas or conditions not acceptable.
- C. Do not begin surface preparation or application until unacceptable areas or conditions have been corrected.

### **3.2 PREPARATION**

- A. Protection of In-Place Conditions:
  1. Protect surrounding areas and surfaces not scheduled to be coated, from damage during surface preparation and application of coating.
  2. Immediately remove coating that falls on surrounding areas and surfaces not scheduled to be coated.
- B. Surface Preparation:
  1. Prepare surfaces in accordance with manufacturer's instructions.
  2. Remove dirt, dust, debris, oil, grease, wax, rust, loose paint, failed coatings, efflorescence, and other surface contaminants which could adversely affect application of coating.
  3. Existing Painted Surfaces:
    - a. Perform test in accordance with manufacturer's instructions to determine if existing paint is soundly adhered to substrate.
    - b. If existing paint is not soundly adhered to substrate as determined by test, remove existing paint.
  4. Steel:
    - a. Steel and Galvanized Steel: Solvent clean.
    - b. Uncoated Steel: Apply metal primer.
  5. Concrete:
    - a. Smooth Concrete: Roughen surface.
    - b. Uncoated Concrete Floors: Acid etch.
    - c. New Concrete: Allow to cure a minimum of 30 days before applying coating.
  6. New Cedar or Redwood: Apply stain-blocking primer.

7. Glossy Finishes: Roughen by sanding.

### **3.3 APPLICATION**

- A. Apply coating in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Mixing: Mix and thin coating, including multi-component materials, in accordance with manufacturer's instructions.
- C. Keep containers closed when not in use to avoid contamination.
- D. Uniformly apply coating at spreading rate required to achieve specified dry film thickness.
- E. Apply coating to be free of film characteristics or defects that would adversely affect performance or appearance.
- F. Apply 2 coats within 3 days of each other.

### **3.4 CLEANING**

- A. Remove temporary protective coverings and protection of surrounding areas and surfaces.

### **3.5 PROTECTION**

- A. Protect Applied Coating From:
  - 1. Light service for a minimum of 24 hours after application.
  - 2. Heavy abrasion for a minimum of 7 days after application.
  - 3. Damage during construction.

**END OF SECTION**