

SECTION 097700 - FIBERGLASS-REINFORCED PLASTIC PANELS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.
- B. Surface-Burning Characteristics: ASTM E 84, flame-spread index of 25 or less and smoke-developed index of 450 or less.

PART 2 - PRODUCTS

2.1 FIBERGLASS REINFORCED PLASTIC PANELS

- A. Products:
 - 1. Crane Composites, Inc. / Kemlite, Joilet, IL; Phone (800) 435-0080; “Fire-X Glasbord”.
 - 2. Kreysler & Associates, American Canyon, CA, 94503; Phone (707) 552-3500.
- B. Color: Kemlite “Ivory”
- C. Finish: Embossed.
- D. Comply with ASTM D2583 and ASTM D5420.

2.2 FABRICATION

- A. Panels: Fabricate units as large as possible to minimize joints, with embossed finished surfaces. Panel size to be 4' x 8' x .09” thick.
- B. Moldings: Provide harmonizing PVC moldings to match panel color. Installation to include all cap, inside corner, outside corner, battens, etc., as required by the Work to provide a complete, finished appearance.
- C. Adhesives: Provide panel adhesive as recommended by panel manufacturer, specifically formulated for adhering panels to substrates indicated.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Panels:
 - 1. Cut and drill panels with carbide tipped saw blades or drill bits, or cut with snips.
 - 2. Install panels with manufacturer’s recommended gap for panel field and corner joints.

3. Install fiberglass reinforced plastic panels level, true, and aligned with adjacent materials.
4. Adhere panels to wall substrate. Trowel adhesive to substrate at rate and method defined by adhesive manufacturer. Roll wall panel with laminate roller starting from the top molding, working down and away from molding, removing any trapped air.
5. Install moldings with continuous bead of silicone sealant applied within channels prior to placing over panels.

B. Install units to the following tolerances:

1. Plane Alignment (Panel to Panel): 1/16 inch.
2. Variation from Plumb: Plus or minus 1/8 inch per 10 feet.
3. Variation from Straightness: Plus or minus 1/4 inch per 25 feet.

C. Cleaning: Remove and adhesive or excessive sealant from panel face and moldings using solvent or cleaner recommended by panel manufacturer.

END OF SECTION 097700