

## SECTION 097700 – SPECIAL WALL SURFACING

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section includes Fiberglass-Reinforced Plastic Panels.

## 1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

## 1.4 SUBMITTALS

- A. Product Data: For each type of product.
  - 1. 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. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Crane Composites, Inc./ Kemlite; Fire-X-Glas
  - 2. Marlite; Standard FRP
- B. Finish: Textured.
- C. Color: As selected by Architect from manufacturer's standard colors.
- 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 as required by tth Work to provide a complete finished appearance.
- C. Adhesives: Provide panel adhesive as recommended by panel manufacturer, specifically formulated for adhering panels to substrate indicated.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements, installation tolerances, and other conditions affecting installation of panels.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 PREPARATION

- A. Measure each area and establish layout of panels and joints of uniform size with balanced borders at opposite edges within a given area.

#### 3.3 INSTALLATION

- A. General: Install panels in accordance with manufacturer's written instructions.
- B. 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.
- C. 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.
- D. Cleaning: Remove any adhesive or excessive sealant from panel face and moldings using solvent or cleaner recommended by panel manufacturer.

END OF SECTION 097700