

Architectural Fiberglass

Section 06 80 00



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. Furnish all labor, materials, equipment, tools and services required to fully complete all work as is indicated on the drawings or specified herein.
- B. Products Furnished and Installed Under This Section:
 - 1. DESCRIPTION
- C. Related Sections:

1.3 SUBMITTALS

- A. Quality Assurance / Control: Furnish erection drawings to Architect for review.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store and protect fiberglass front panels and components until installation is complete.
 - 1. Unload and inspect each panel and its component for imperfections or for damage incurred during shipping and transit procedures.
 - 2. Store in covered area, out of weather, direct sun, and other elements.

1.5 SCHEDULING

- A. Coordination: Coordinate delivery of panels from Fiberglass Manufacturer.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Resins:
 - 1. Base resin for laminate shall be Brominated or Chlorinated polyester formulated by resin manufacturer and shall not be modified by Fabricator except as specified. Physical Characteristics of Laminate Resin:
 - a. Viscosity, Gardner-Holt at 25 deg C: 4.0 + 0.1 stokes.
 - b. Viscosity, Brookfield 25 deg C: 6 poises.
 - c. Specific Gravity at 25 deg C: 1.30.
 - d. Pounds per Gallon (Approx): 10.8.
 - e. Acid Number, base resin: less than 30.
- B. Laminate:

Glass Fiber Reinforced Plastic

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1. Where separate layers such as mat are used, lap layers 100 mm minimum. Stagger laps as much as possible.
 2. Non-mold surface shall be smooth with no glass exposed.
- C. Approved Fabricator:
1. Unlimited Designs, Salt Lake City, Utah (801) 355-3221.

2.2 FINISHES

- A. Shop Finishing:

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify substrates and surfaces are ready to receive work and dimensions are as shown on shop drawings.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's specification and erection drawings.

3.3 FIELD QUALITY CONTROL

- A. Fiberglass Manufacturer shall:
1. Inspect beginning placement of each section of fiberglass panel.
 2. Make inspection at completion of work of this section.

3.4 CLEANING

- A. Clean fabrications of foreign material using cleaning methods recommended in writing by Manufacturer.

3.5 PROTECTION

- A. Protect finished installation as recommended by Manufacturer.

END OF SECTION