

SECTION 06 65 00
SOLID POLYMER FABRICATIONS

PART 1 - GENERAL

1.01 SUMMARY

Section Includes:
Decorative Panels.

1.02 SUBMITTALS

- A. Comply with Section 01330 [01300].
- B. Product Data: Submit manufacturer's product data.
- C. Shop Drawings: Submit shop drawing showing components, dimensions, and mounting details.
- D. Samples: For selection of types, colors, patterns, and finishes.
Minimum 2" x 2" (50 mm) samples of each type of panel required.

1.03 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain panels from single source.
- B. Deliver materials in original factory wrappings and containers, clearly labeled with manufacturer and brand name.
- C. Store materials in original undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
 - 1. Maintain room temperature within the storage area between 60°F (16°C) and 80°F (27°C) during the period plastic materials are stored. Keep materials out of direct sunlight to avoid excessive surface temperatures.
 - 2. Store panels in a ten-degree off-vertical position for a minimum of 72 hours, or until the materials attain the ambient room installation temperature of between 65°F (18°C) and 75°F (24°C).

1.04 PROJECT CONDITIONS

- A. Maintain ambient temperature within building at not less than 65°F (18°C) or greater than 75°F (24°C) for a minimum 72 hours prior to beginning of installation.
- B. Do not install panels until the space is enclosed, weatherproof and climate controlled.
- C. Do not install panels until temperature is stable and permanent lighting is in place.

1.05 MAINTENANCE

Maintenance Instructions: Include precautions against cleaning materials and methods that may be detrimental to finishes and performance.

PART 2 - PRODUCTS

2.01 MANUFACTURER

Koroseal Wall Protection Systems, Muncy, PA. Ph: 800-628-0449; Fax: 330-668-7703;
Internet Address: www.bellagard.com.

2.02 SOLID POLYMER FABRICATIONS

"BellaLucent Panels" by Korogard: Decorative panels supplied factory-fabricated and -finished.

1. Panel size: 48" x 96".
2. Panel thickness: Availability varies by pattern, 1/16" to 1/2".
3. Pattern: Select from manufacturer's offering.
4. Finish texture: Sandstone.

2.03 MATERIALS

- A. Panels: Shall be 1/16" to 1/2" thick translucent, high-performance acrylic composite.
- B. Pattern Core: Embedded fabrics, metals, natural foliage, wood veneers, and assorted additional elements.

2.04 FINISHES

- A. Panel Finish: Factory-finished Sandstone texture.
- B. Superficial damage to a depth of 0.010" (.25mm) shall be considered repairable by sanding and polishing.

2.05 FABRICATION

- A. Comply with requirements indicated for design, dimensions, details, finish, and member sizes.
- B. Comply with manufacturer's written recommendations for fabrication.
- C. Machining: Acceptable means of machining are included in the manufacturer's written recommendations. Ensure that material is not chipped or warped by machining operations.
- D. Forming: Form products to shapes indicated using the appropriate methods per the manufacturer's recommendations.
- E. Laminating: Laminate to substrates indicated using adhesives and techniques recommended by manufacturer.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions where installation of Solid Polymer Fabrications will occur, with Installer present, for compliance with manufacturer's requirements. Verify that substrates and conditions are satisfactory for installation and comply with requirements specified.
- B. Do not proceed with installations until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Comply with manufacturer's written instructions for the installation of Solid Polymer Fabrications.
- B. Shop-fabricate items to the greatest degree possible.
- C. Utilize fasteners, adhesives and bonding agents recommended by manufacturer for type of installation indicated. Material that is chipped, warped, hazed or discolored as a result of installation or fabrication methods will be rejected.
- D. Install components plumb, level, rigid, scribed to adjacent finishes, and in accordance with approved shop drawings.
- E. Form field joints using manufacturer's recommended procedures. Locate seams in panels so that they are not directly in line with seams in substrates.

3.03 CLEANING

Protect surfaces from damage until date of substantial completion. Repair work or replace damaged work, which cannot be repaired to Architect's satisfaction.