

SECTION 06 64 00 - PREFINISHED PANELING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Flat fiberboard wall panels.
2. Slotted fiberboard wall panels.
3. Flat fiberglass reinforced plastic (FRP) panels.

1.2 SUBMITTALS

- A. Product Data: For finishing materials and processes.
- B. Samples: For each product

1.3 QUALITY ASSURANCE

- A. Conform to building code requirements for interior finish.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials factory packaged on strong pallets. Keep materials dry and protected during delivery.
- B. Store panels and trim lying flat, under cover and protected from the elements. Allow panels to acclimate to room temperature (range of 60 to 75 deg. F (15.6 - 23.9 deg. C) for 48 hours prior to installation.

PART 2 - PRODUCTS

2.1 PREFINISHED WOOD FIBERBOARD PANELING:

- A. Manufacturers: Marlite or approved substitution.
- B. Flat Fiberboard Wall Panels.
1. Material: High-Density Fiberboard core with melamine surface.
 2. Panel Size: 16 inches (406 mm) by 96 inches (2438 mm).
 3. Thickness: 1/4 inch (6 mm).
 4. Surface Burning Classification: ASTM E84 Class C; flamespread of 200 or less, smoke developed of 450 or less.

- a. For flat fiberboard wall panels used in a fire exit way, provide panels with a Class A surface burning classification per ASTM E84; flamespread of 25 or less, smoke developed of 450 or less.
5. Trim: Panel manufacturer's standard 0.09 inch (2.3 mm) thick vinyl moldings to meet project conditions and matching panel color. Provide division bar, inside corner, outside corner and end cap as applicable.
6. Product and Color: As specified in Division 01 Section "Décor Interior Finishes and Colors."

C. Slotted Fiberboard Wall Panels

1. General:
 - a. Material: Medium-Density Fiberboard: ANSI A208.2, Grade MD with engineered grooves designed to fit standard merchandising fixtures.
 - b. Panel Size: 48 inches (1220 mm) by 96 inches (2438 mm).
 - c. Thickness: 3/4 inch (19 mm) plus/minus 0.008 inch (0.2 mm).
2. 3-Inch Slotted Laminate Surface:
 - a. Groove Spacing: 3 inches (75 mm) on center.
 - b. Surface Finish: High-pressure laminate, 0.03 inch (0.7 mm) thick, cold press bonded with PVA Type II water resistant adhesive.
 - c. Product and Color: As specified in Division 01 Section "Décor Interior Finishes and Colors."
 - d. Plastic Groove insert: Black plastic or manufacturer's standard groove insert.
3. 6-Inch Slotted Laminate Surface:
 - a. Groove Spacing: 6 inches (152 mm) on center (Horizontal and Vertical).
 - b. Surface Finish: High-pressure laminate, 0.03 inch (0.7 mm) thick, cold press bonded with PVA Type II water resistant adhesive.
 - c. Product and Color: As specified in Division 01 Section "Décor Interior Finishes and Colors."
 - d. Groove Finish: Painted to match surface.

2.2 FIBERGLASS REINFORCED PLASTIC (FRP) PANELING

A. Manufacturers:

1. Crane Composites, Inc.
2. Kalwall Corp.
3. Marlite

B. Flat Wall Panels

1. Material: ASTM D5319, composite plastic panels of random chopped fiberglass roving, modified polyester copolymer, inorganic fillers and pigments.

- a. Comply with USDA requirements.
 - b. Thickness: 0.09 inch (2.29 mm).
 - c. Surface Burning Classification: ASTM E84 Class C; flamespread of 200 or less, smoke developed of 450 or less.
 - d. Panel Finish, Color, Texture, and Scoring Pattern: As specified in Division 01 Section "Décor Interior Finishes and Colors."
2. Trim:
- a. Pebble Finish FRP Panels: Panel manufacturer's standard PVC moldings to meet project conditions and matching panel color. Provide division bars (T-molding), inside corners, outside corners, and end caps as required.
 - 1) For outside corners, provide manufacturer's standard PVC heavy-duty L-shaped outside corner guards.
 - b. Smooth Finish FRP Panels: Heavy weight extruded aluminum 6063-T5 alloy prefinished by manufacturer with factory oven-baked finish. Provide inside corners, outside corners, division bars (T-molding), and end caps as required.
 - 1) Inside and Outside Corners: Match color of panel.
 - 2) Division Bars (T-Molding):
 - a) For scored panels, match scoring (simulated grout) color (typically white).
 - b) For non-scored panels, match color of panel.
 - c. Smooth Finish FRP Scored Subway Tile Panels with Hidden Seam: Panel manufacturer's standard PVC moldings as required to meet project conditions and matching panel color. Provide inside corners, outside corners, and end caps as required.
3. Adhesive: Solvent based panel adhesive as recommended by panel manufacturer.
4. Sealant: Panel Manufacturer's standard silicone sealant meeting requirements of Division 07 Section "Joint Sealants" and matching color of panel or scored joint as indicated.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition paneling to average prevailing humidity conditions in installation areas. Examine shop-fabricated work for completion and complete work as required, including removal of packing.
- B. During installation and for not less than 48 hours before, maintain an ambient temperature and relative humidity within limits required by type of adhesive used and recommendation of adhesive manufacturer.

- C. Provide ventilation to disperse fumes during application of adhesive as recommended by the adhesive manufacturer.

3.2 INSTALLATION

- A. Set all paneling to required levels and lines, with members plumb and true, and cut to fit.
- B. Scribe and cut paneling to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- C. Install prefinished paneling as indicated on drawings in full accordance with manufacturer's instructions. Caulk all tongue and groove joints and all molding with silicone sealant.
 - 1. Do not use division bar (T-molding) for scored FRP panels in deli/bakery or meat/seafood prep areas. Install silicone joints to match color and spacing of score lines.
 - a. Exception: For remodels, where panel is installed over existing wall with uneven surface, use aluminum division bar (T-molding).
- D. Install prefinished paneling over substrate as indicated on Drawings, in strict accordance with manufacturer's recommendations, using non-flammable adhesive. Panels to be set in full bead of silicone caulking at top of base. Top edge to have finished trim (end cap).

END OF SECTION 06 64 00