

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.

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