
SECTION 09 77 30

FIBERGLASS WALL PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide glass fiber reinforced polyester resin fabricated wall panels with trim pieces and accessories as required for complete installation.
 - 1. Food Service Areas: System shall be acceptable to authorities having jurisdiction including USDA for use in food preparation areas.
 - 2. Janitor Closets: System shall be acceptable to authorities having jurisdiction for use in wet areas such as Janitor Closets.
 - 3. Back-of-House Corridors: Standard system as specified.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Scheduling: Schedule installation of wall paneling as late in construction schedule as possible to prevent damage during construction.

1.3 SUBMITTALS

- A. Product Data: Furnish manufacturer's literature.
- B. Shop Drawings: Indicate design parameters, adjacent construction, materials, dimensions, thickness, fabrication details, tolerances, colors, finishes, methods of support and anchorages.
- C. Samples: Furnish fiberglass wall panels and exposed trim.
- D. Maintenance Instructions: Include manufacturer's recommended cleaning materials and application methods, including precautions in use of cleaning materials that may be detrimental to surfaces.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store panels in clean and dry area where temperatures are maintained at minimum 40 degrees F with normal humidity.
 - 1. Do not store in upright position.
- B. Take precautionary measures with adhesives and solvents to prevent fire hazards.

1.5 SITE CONDITIONS

- A. Maintain surfaces and materials at minimum 60 degrees F three days before and during application period.
- B. Provide continuous ventilation during work and after installation of wall covering.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Crane Composites/Glasbord.
- B. Nudo Products, Inc./Fiber-Lite Panels or Marlite FRP Panels.
- C. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide glass fiber reinforced polyester resin fabricated wall panels, with trim pieces and accessories.
- B. Regulatory Requirements: Provide system acceptable by applicable authorities for use on walls in food preparation areas.
- C. Performance Requirements, Fire-Rating:
 - 1. Food Preparation Areas and Janitor Closets: Class III (UL Class C), maximum 200 flame spread, 450 smoke generation, ASTM E84.
 - 2. Back-of-House Corridors: Class II (UL Class B), maximum 75 flame spread, 450 smoke generation, ASTM E84.
- D. Panels: Fiberglass reinforced plastic (FRP) panel system acceptable for use as toilet room wall panels, adjacent to water closets and to urinals; ASTM D5319.
 - 1. Thickness: 0.090" nominal thickness.
 - 2. Surface: As selected by Architect from manufacturer's full range of surface textures.
 - 3. Color: As selected by Architect from manufacturer's full range of colors.
- E. Trim Pieces: Manufacturer's standard matching moldings and trim pieces as required for complete, finished installation, and as required for joints, corners and panel edges; suitable for applications indicated.
- F. Adhesive: Manufacturer's standard nontoxic, waterproof adhesive suitable for substrates indicated.
- G. Primer: Provide non-staining nontoxic release coat primer as recommended by wall panel manufacturer where panels are applied to gypsum board.
 - 1. Primer: Type designed to allow removal of wall paneling from gypsum board without damaging paper facing of board, and without premature separation of wall paneling from wall.
- H. Mechanical Fasteners: Concealed type only; types as recommended by system manufacturer.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Ensure surfaces to receive wall paneling are clean, true and free of irregularities, do not commence with work until surfaces are satisfactory.
- B. Ensure wall surface flatness tolerance does not vary more than 1/8" in 10'-0", nor vary at a rate greater than 1/16" per running foot.

3.2 INSTALLATION

- A. Handle and install wall panels in accordance with manufacturer's recommendations and installation instructions.
- B. Cope and miter trim pieces.
- C. Securely adhere panels to wall surfaces; use blind nailing methods as required to support panels until adhesive dries; exposed mechanical fasteners shall not be acceptable.
 - 1. Install panels in maximum size increments available.
- D. Remove excess adhesive from edges; wipe seam clean with dry cloth towel.
- E. Install wall paneling before installation of plumbing, bases, hardware, and similar accessories.

3.3 CLEANING

- A. Clean panel system in accordance with manufacturer's instructions.
- B. Remove debris and leave areas neat and clean.
- C. Replace accessories.

END OF SECTION