



Specifications
_” Architectural Systems

Section 09770
(CSI FORMAT)



SECTION 09770

July, 2006

PREFINISHED PANELS - INTERIORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Decorative prefinished wall surfacing systems and trim**

1.02 RELATED SECTIONS

- A. 09250 Gypsum Board**
- B. 05400 Cold Formed Metal Framing**
- C. 06010 Lumber**

1.03 REFERENCES

- A. AWI Quality Standards (Architectural Woodwork Institute)**
- B. ASTM E-84 (Method of test for surface burning characteristics of building materials)**
- C. BHMA (Builder's Hardware Manufacturers Associations)**

1.04 SUBMITTAL

- A. Provide manufacturers product data sheets for approval.**
- B. Provide manufacturers recommended maintenance procedures to the owner.**

1.05 DELIVERY, STORAGE AND HANDLING

- A. All products are to be packaged at the factory in heavy cardboard cartons. All shipments to the job site shall be made on wooden pallets.**

1.06 WARRANTY

- A. All products shall be warranted to be free from defects for a period of 30 days after installation.**

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PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Decorative interior wall surfacing system and trim shall be manufactured by Marlite, 202 Harger St., Dover, OH 44622 Ph (330) 343-6621, "Surface Systems."

2.02 MATERIALS

- A. All decorative interior wall surface systems shall be "SURFACE SYSTEMS", designated as System Two, System Three, or System Four (Specifier to select one).
 - 1. System Two. Shall consist of panels with square cut or chamfered edges, installed utilizing an exposed horizontal channel mainrunner and exposed vertical narrow crossrunner, for proper panel alignment. (Specifier, see Item 4 below)
 - 2. System Three. Shall consist of panels with square cut or chamfered edges, installed utilizing an exposed horizontal channel mainrunner and exposed vertical channel crossrunner, for proper panel alignment. (Specifier, see Item 4 below)
 - 3. System Four. Shall consist of panels with square cut or chamfered edges, installed utilizing an exposed horizontal narrow mainrunner and exposed vertical narrow crossrunner, for proper panel alignment. (Specifier, see Item 4 below)
 - 4. All exposed application hardware shall be (System Two, Three, Four, only) provided in (Specifier to select)
 - a. Clear Satin Anodized Aluminum
 - b. Black Satin Anodized Aluminum

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PART 2 PRODUCTS

2.02 MATERIALS (Continued)

- B. All decorative interior wall surfaces shall be "SURFACE SYSTEMS" with panel construction and finish as follows. (Specifier to select one or more)**

1. Faux Prints

Faux Prints are printed on a wood fiber substrate, and finished with a high heat cured modified acrylic topcoat. Panels are 1/4" thick, edges are chamfered, and sealed, resulting in a black edge. Specifier to select from 16 Woodgrains (vertical grain, standard) and 8 Abstracts.

2. Metal Veneers

Metal panels are .024" thick aluminum sheets (vertical grain), laminated to a black, Class A rated polyvinyl chloride substrate. Panels are 1/4" thick, square cut, with a dark edge. Specifier to select from 9 Metal Panels.

- C. Grain direction (if any) shall be manufacturer's standard (typically vertical), except as requested by specifier.**

- D. All panel sizes shall be (specifier to select as required.)**

1. Nominal 24" wide x 24" high (actual panel size varies dependent upon system)

2. Nominal 24" wide x 16" high (actual panel size varies dependent upon system)

3. Custom Sizes (Specifier must consult with Marlite before specifying)

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PART 2 PRODUCTS

2.03 ACCESSORIES

A. All trim specified shall be heavy weight extruded aluminum 6063-T5 alloy prefinished at the factory.(Specifier to select one (or more) trim profile(s) and trim finish.)

1. Trim Profiles for 1/4" thick panels.

- a. Shadowline - Inside Corner trim shall be Marlite's part #S-450 Shadowline Inside**
- b. Shadowline - Outside Corner trim shall be Marlite's part #S-460 Shadowline Outside Corner, provided in 10' lengths.**
- c. Shadowline - Batten trim shall be Marlite's part #S-465 Shadowline Batten, provided in lengths as required.**
- d. Shadowline - Perimeter (edge) trim shall be Marlite's part #S-470 Shadowline Edge, provided in 10' lengths.**

2. Trim Finishes (Specifier to select finish)

- a. Clear Satin Anodized Aluminum**
- b. Black Satin Anodized Aluminum**

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PART 2 PRODUCTS

2.03 ACCESSORIES (continued)

B. All Cap, Post and Signpost components shall be solid aluminum with powdercoated finish and shall provide for decorative and/or functional retail application. (Specifier to select component and finish.)

- 1. Flat Cap & Anchor - 1-1/2" dia. X 1/2"**
- 2. Flat Post & Anchor -1-1/2" dia. X 2-1/2"**
- 3. Signpost & Anchor - 1-1/2" dia. X 3-1/4"**
- 4. Finish**
 - a. Black powdercoat**
 - b. Clear powdercoat**

2.04 FABRICATION

- A. All Surface Systems panels, hardware and accessories shall be factory finished and ready to install. Field fabrication will be required at perimeter conditions.**
- B. Panel edges must be refinished per manufacturer's instruction after field cutting, before installation.**

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PART 3 EXECUTION

3.01 EXAMINATION

- A. Many Surface Systems panels are man made wood fiber products and are subject to the effects of humidity and temperature. Do not use in high humidity areas.
- B. Open cartons and carefully inspect all panels.
- C. Due to textures, woodgrain patterns, materials and manufacturing techniques, some panels may vary in color consistency, tone and pattern. These variations are not to be considered as defects.
- D. For the most pleasing appearance, arrange panels on each wall to achieve the best combination of color, texture and grain, before installing. Contact Marlite with questions or problems.

3.02 PREPARATION

- A. Structural walls should be finished, with building completely closed. Walls shall be thoroughly dry before starting installation. A vapor barrier should be used on exterior walls behind backing to discourage warping.
- B. Panels must be applied over a smooth, solid, flat backing such as plywood or drywall. All drywall joints should be taped and finished. Walls should be primed before installation begins.
- C. Protect existing surfaces with drop cloths.

3.03 CONDITIONING

- A. All panels shall be allowed to equalize to the moisture and temperature in the room environment prior to installation. To ensure product performance, a temperature range of 60°-80°F and a humidity range of 35-55% must be maintained during storage, installation and product life cycle.

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3.04 INSTALLATION

- A. Install all materials in strict accordance with the manufacturer's installation instructions.**
- B. Marlite Brand C-702 Premium Adhesive is the adhesive recommended for installation of Surface Systems. Marlite Brand C-702 Premium Adhesive is a solvent based material and local code restrictions may require substitution. Any adhesive substitution must have the manufacturer's approval.**

It is the responsibility of the specifier and/or contractor to determine conformance of Marlite's, or any other adhesive, with local code restrictions.

- C. Avoid contamination of the panel faces with adhesives, solvents or cleaners during installation.**

3.04 CLEANING

- A. Clean panels, trim and hardware according to the manufacturer's recommendations.**

END OF SECTION