



**Surface
Systems**
R a d i u s W a l l

Specifications
3/4" Radius Wall System

Section 09770
(CSI FORMAT)

SECTION 09770

July, 2006

PREFINISHED PANELS - INTERIORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Decorative pre-finished 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.

2.02 MATERIALS

- A. All decorative interior wall surface systems shall be "Surface Systems – Radius Wall System" designated as System Twenty, System Thirty, or System Forty (Specifier to select one).
1. System Twenty. Shall consist of flexible panels with square cut edges, installed utilizing an exposed vertical Channel Main Rail and exposed horizontal Flexible Narrow Cross Spline, for proper panel alignment. (Specifier, see Items 4 & 5 below)
 2. System Thirty. Shall consist of flexible panels with square cut edges, installed utilizing an exposed vertical Channel Main Rail and exposed horizontal Flexible Channel Cross Spline, for proper panel alignment. (Specifier, see Items 4 & 5 below)
 3. System Forty. Shall consist of flexible panels with square cut edges, installed utilizing an exposed vertical Narrow Main Rail and exposed horizontal Flexible Narrow Cross Spline, for proper panel alignment. (Specifier, see Items 4 & 5 below)
 4. All exposed vertical Main Rail application hardware shall be heavy weight extruded aluminum 6063-T5 alloy, pre-finished at the factory (System Twenty, Thirty, & Forty) provided in (Specifier to select).
 - a. Clear Satin Anodized Aluminum
 - b. Black Satin Anodized Aluminum
 5. All exposed horizontal Flexible Cross Spline application hardware shall be flexible PVC extrusions (System Twenty, Thirty & Forty) provided in (Specifier to select).
 - a. Satin Metallic Silver finish PVC
 - b. Satin Black finish PVC
 6. Panel Retainer Clips shall be provided in mill finished 6065 T-5 alloy.

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PART 2 PRODUCTS

2.02 MATERIALS (Continued)

B. All decorative interior wall surfaces shall be "Surface Systems – Radius Wall System" with panel construction and finish as follows. (Specifier to select one or more)

1. Marlite Finish

Faux Prints are printed on a wood fiber substrate, and finished with a high cured modified acrylic topcoat. Flexible panels are 3/4" thick, edges are square, and sealed, resulting in a black edge. (Not available in System Ten) Specifier can select from 16 Woodgrain Series (vertical grain, standard) and 8 Abstract Series.

2. Metal Veneers

Metal panels are .024" thick aluminum sheets (vertical grain), laminated to a MDF, Class C substrate. Flexible panels are 3/4" thick, square cut, with a dark edge. Specifier can select from 9 Metal Veneers.

3. Wood Veneers

Wood Veneers utilize a wood fiber substrate coated with a furniture grade catalyzed finish. Flexible panels are 3/4" thick, square cut, and sealed.

Each veneer will exhibit individual features and character marks, like any other wood veneer product. Twenty selected veneers are listed as standard, but custom veneers are available. When matching custom veneer, it is advisable to request a flitch sample from the veneer to be used for the specific project after submission of a sample to be matched.

5. High Pressure Laminate

High Pressure Laminate panels have a "vertical grade" decorative laminate face on a wood fiber substrate. Specifier to choose decorative face. Flexible panels are 3/4" thick, square cut. All edges are sealed black.

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 size varies dependent upon system)

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PART 2 PRODUCTS

2.02 MATERIALS (Continued)

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

2.03 ACCESSORIES

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

1. Trim Profiles for 3/4" thick panels
 - a. Narrow Line - Outside Corner trim shall be Marlite's part #NL-760 Outside Corner, provided in 10' lengths.
 - b. Narrow Line - Edge/Inside Corner trim shall be Marlite's part #NL-770 Edge/Inside Corner, provided in 10' lengths.

2. Trim Finishes (Specifier to select finish)

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

- B. All Cap, Post and Signpost components shall be solid aluminum with powder coated 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 powder coat
 - b. Clear powder coat

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PART 2 PRODUCTS

2.04 FABRICATION

- A. 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.

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.

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.

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, wood backing such as plywood, OSB or waferboard.
- 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 SS5262 Heavy Duty adhesive is the adhesive recommended for installation of Surface Systems. Marlite Brand SS5262 Heavy Duty 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.

3.05 CLEANING

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

END OF SECTION

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