

Product Guide Specification Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format as described in The Project Resource Manual—CSI Manual of Practice.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” when editing this section.

Section numbers are from MasterFormat 1995 Edition, with numbers from MasterFormat 2004 Edition in parentheses. Delete version not required. **SECTION 06400 (06 40 00)**

VINYL LATTICE Specifier Notes: This section covers Permalatt Products “DuraShell®” vinyl lattice. Consult Permalatt Products for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

1. Vinyl lattice.

1.2 RELATED SECTIONS Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

1. Section 06100 (06 10 00) – Rough Carpentry.

1.3 REFERENCES Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

1. ASTM D 635 – Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
2. ASTM D 1929 – Standard Test Method for Determining Ignition Temperature of Plastics.
3. ASTM D 2843 – Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics.
4. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

1. Comply with Section 01330 (01 33 00) – Submittal Procedures.
2. Product Data: Submit manufacturer’s product data, including installation instructions.
3. Shop Drawings: Submit manufacturer’s shop drawings, indicating pattern, details, dimensions, and accessories.
4. Samples: Submit manufacturer’s standard color samples.
5. Warranty: Submit manufacturer’s standard warranty.

1.5 DELIVERY, STORAGE, AND HANDLING

1. Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
2. Storage: Store materials in clean, dry area in accordance with manufacturer’s instructions.
3. Handling: Protect materials and finish during handling and installation to prevent damage.

1.6 WARRANTY Specifier Notes: Specify the warranty period for residential or commercial applications.

1. Warranty Period:
 1. Residential Applications: Lifetime of purchaser.
 2. Commercial Applications: 30 years.

PART 2 PRODUCTS

2.1 MANUFACTURER

1. Permalatt Products, Inc., 3462 US 6 East, PO Box 405, Bremen, Indiana 46506. Toll Free (888) 457-4342. Phone (574) 546-6311. Fax (574) 546-6388. Website www.permalatt.com. E-mail ppi@skyyenet.net.

2.2 VINYL LATTICE

Specifier Notes: Specify the vinyl lattice **style**.

Specifier Notes: Specify the vinyl lattice **color**.

1. Vinyl Lattice: “DuraShell” vinyl lattice.
 1. Lattice Strips: 1/4-inch (6-mm) thick, polyvinyl chloride (PVC) extrusion, hard surface, solid cellular core.
 2. **Style:** Rectangular, 1-inch (25-mm) opening, 1-inch (25-mm) wide strips, 1/2-inch (13-mm) thick.
 3. **Style:** Diagonal, 1-inch (25-mm) opening, 1-inch (25-mm) wide strips, 1/2-inch (13-mm) thick.

4. **Style:** Rectangular, 2-inch (50-mm) opening, 1-1/4-inch (32-mm) wide strips, 1/2-inch (13-mm) thick.
 5. **Style:** Diagonal, 1-7/8-inch (48-mm) opening, 1-1/4-inch (32-mm) wide strips, 1/2-inch (13-mm) thick.
 6. **Style:** Diagonal, 2-3/4-inch (70-mm) opening, 1-1/2-inch (38-mm) wide strips, 1/2-inch (13-mm) thick.
 7. **Style:** Diagonal, 3-inch (75-mm) opening, 1-1/4-inch (32-mm) wide strips, 1/2-inch (13-mm) thick.
 8. **Color:** [Almond] [Desert Sand] [Khaki] [Laguna Dune] [Pebblestone] [Platinum Gray] [Sandtone] [Snow White].
2. Test Results, 1-7/8-inch (48-mm) opening lattice:
1. Surface Burning Characteristics, ASTM E 84:
 1. Flame Spread Index: 10.
 2. Smoke Development Index: 240.
 3. Fire Rating: Class A-1.
 2. Rate of Burning, ASTM D 635: Less than 25 mm, passed.
 3. Ignition Properties, ASTM D 1929, Procedure B, Air Flow 5 ft/min:
 1. Flash Ignition Temperature: 752 degrees F (400 degrees C).
 2. Self Ignition Temperature: 665 degrees F (352 degrees C).
 4. Smoke Density, ASTM D 2843:
 1. Maximum Average Smoke Density: 80.2 percent.
 2. Smoke Density Rating: 63.1 percent.

PART 3 EXECUTION

3.1 EXAMINATION

1. Examine areas to receive vinyl lattice.
2. Notify Architect of conditions that would adversely affect installation or subsequent use of vinyl lattice.
3. Do not begin installation until unacceptable conditions are corrected.

3.1 EXAMINATION

1. Install vinyl lattice in accordance with manufacturer's instructions at locations indicated on the Drawings.
2. Install vinyl lattice plumb, level, straight, square, accurately aligned, correctly located, and to proper elevation.
3. Install vinyl lattice without twisting, bowing, or springing.
4. Install vinyl lattice using largest size sheets practicable.
5. Anchor units securely in place.
6. Install channels, fasteners, and anchors in accordance with manufacturer's instructions.

3.3 ADJUSTING

1. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
2. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

3.4 CLEANING

1. Clean vinyl lattice promptly after installation in accordance with manufacturer's instructions.
2. Do not use harsh cleaning materials or methods that would damage finish.

3.5 PROTECTION

1. Protect installed vinyl lattice to ensure that, except for normal weathering, lattice will be without damage or deterioration at time of substantial completion.