



**Architectural Specifications: Siding**  
SECTION 07400  
SIMULATED WOOD SIDING

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Siding panels
- B. Accessories and trim.

**1.2 RELATED SECTIONS**

- A. Section 06100 - Rough Carpentry: Framing and Wall Sheathing.

**1.3 REFERENCES**

- A. ASTM D256 Izod Impact
- B. ASTM D648 Deflection Temperature
- C. ASTM D696 CoTE
- D. D2244 Color Uniformity
- E. ASTM D3679
  - 1. Heat Shrinkage
  - 2. Surface Distortion
  - 3. Gloss Variation
- F. ASTM D1761 Mechanical Fastener pull through
- G. ASTM D5206 Wind Load
- H. ASTM D635 Combustibility Classification
- I. ASTM 1929 Self-ignition Temp
- J. ASTM E-84 Flame spread and Smoke development
- K. ASTM G155 Unweathered and Weathered flexural tests
- L. ASTM D790 Freeze Thaw and Flexural test
- M. ASTM D570 Water absorption

**1.4 PERFORMANCE REQUIREMENTS**

- A. Fire Resistance: Provide siding products that meet or exceed the following ratings:
  - 1. Flame spread index  $\leq 75$ ,  
Smoke development rating  $\geq 450$ , per ASTM E 84.
  - 2. Self-ignition temperature: 430 degrees C per ASTM D 1929.
  - 3. Classified CC1 with no self sustained burn per ASTM D635

**1.5 SUBMITTALS**

- A. Submit under provisions of Section 01300.
- B. Manufacturer's data sheets on each product to be used, showing compliance with requirements.
- C. Selection Samples: Two complete sets of color cards representing manufacturer's full range of available colors and patterns.
- D. Manufacturer's installation instructions, showing required preparation and installation procedures.

**1.6 QUALITY ASSURANCE**

- A. Installer Minimum Qualifications:
  - 1. Installer shall have a minimum of 3 years experience installing like products specified in this section on projects of similar scope and size.
- B. Pre-Installation Meeting: Conduct a pre-installation meeting not more than 2 weeks after the start of the siding project and before start of installation.

1. Contractor shall schedule and arrange meeting and meeting place and notify attendees.
2. Mandatory Attendees: Siding installer
3. Optional Attendees: Owner's representative, Architect's representative, prime Contractor's representative
4. Review all pertinent requirements for achieving the warranty specified below and set schedule for final warranty inspection.

## **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for installation.

## **1.8 WARRANTY**

- A. Provide manufacturer's standard limited lifetime warranty with fade protection on siding products, transferable to new owners.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. Acceptable Manufacturer: Chelsea Building Products, which is located at: 565 Cedar Way; Oakmont, PA  
Distributed Exclusively through Norandex Building Materials Distribution, Inc. Toll Free Tel: 800-528-0942 ;  
Tel: 330-656-8800; Email: [request info \(christine.watson@norandex.com\)](mailto:request info (christine.watson@norandex.com)); Web: [www.norandex.com](http://www.norandex.com)

### **2.2 MATERIALS**

- A. Provide products made of profile extruded polyvinyl chloride with inorganic fillers as specified in this section.
  1. Provide nailing area for attachment and blind nailing.
  2. The base material shall be compounded so to provide the heat stability and weather exposure stability required for the siding market application.
  3. A stacking mechanism for ease of installation
  
- B. Everlast Polymeric Cladding:
  1. Panel Thickness: 0.22" ± 0.005"
  2. Panel Projection: 7/16"
  3. Width: 8 7/16" ± 1/16"
  4. Exposure: 6 7/8"
  5. Length: 12'
  6. Weight: Approx. 8.7# per plank
  7. Finish: Low-gloss, rough cut cedar texture
  8. Colors: Polar White, Misty Taupe, Harbor Blue, Sand Dune, Cabernet Red, Chestnut, Antique Ivory, Canvas, Spanish Moss, Seaside Gray
  9. Heat Shrinkage: 0.1% at 160°F
  10. Static Windload Test Pressure: 93 psf. (>250 mph)
  11. Surface Distortion: >82°C (180° F)
  12. Squareness: <1/16" of square
  13. Length: Within - 1/4" of specification
  14. Warp/Camber: <1/16"
  15. Coefficient of Linear Expansion (in/in/°F): 8.38 X 10<sup>-6</sup>
  16. Izod Impact Resistance: 0.311 ft\*lb/in
  17. Deflection Temperature: 69.3 °C (157°F) Average
  18. Weathering and Flexural: 104.4 % Strength Retention
  19. Freeze Thaw and Flexural: 94.1 % Strength Retention
  20. Water Absorption per ASTM D-570: <2.0% Long Term (3 weeks)
  21. Chemical resistance: Excellent.

### **2.3 ACCESSORIES**

- A. Provide coordinating accessories for complete and proper installation, whether or not specifically shown on the drawings.
- B. Color: Provide accessories in color matching adjacent siding or soffit panels.
- C. Color: Provide accessories in contrasting color, as follows: \_\_\_\_\_.
- D. Profiles: Provide types as indicated on the drawings.
- E. Schedule of Accessories
  1. Starter strip: Galvanized Steel
  2. Outside corners

3. Inside corner post
4. Window and Door Casing
5. Soffit trim
6. Miscellaneous channels and dividers to suit project conditions.

## **2.6 FASTENERS**

- A. Provide galvanized or other corrosion-resistant nails or staples as recommended by manufacturer of siding and trim products.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Prior to commencing installation, verify governing dimensions of building and condition of substrate.

### **3.2 PREPARATION**

- B. Examine, clean, and repair as necessary any substrate conditions which would be detrimental to proper installation.
- C. Do not begin installation until unacceptable conditions have been corrected.

### **3.3 INSTALLATION**

- A. General: Install products in accordance with the latest printed instructions of the manufacturer, with all components true and plumb.
- B. Nailing: Nail horizontal panels by placing nail through nailing channel area.
- C. Spacing: Allow space between both ends of siding panels and trim for thermal movement; butt the joint ends tight.
- D. Joints in Horizontal Siding: Butt joints tightly and caulk or flash as desired or required by building code.
- E. Install siding into channels of channeled accessories or butt and caulk into other type accessories.

### **3.4 CLEANING**

- A. At completion of work, remove debris caused by siding installation from project site.