

Addendum to Product Guide Specification for Finished Products Using CMI “Extira” as a Component

This document should be used by the manufacturer that will be incorporating CMI “Extira” treated exterior composite panels into a component of a finished product.

This document includes the text that should be added to the guide specification in Construction Specifications Institute (CSI) Format prepared by the manufacture of the finished product. The guide specification should be written according to the CSI 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, contained in the *CSI Manual of Practice*.

Address all questions and comments regarding this document and “Extira” panels to:

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PART 1 GENERAL

1. REFERENCES

Include the following three reference standards in the Reference Article of the guide specification of the finished product.

- A. ASTM D 1037 - Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials.
- B. AWPA E7 - Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.
- C. AWPA E16 – Field Test for Evaluation of Wood Preservatives to be Used Out of Ground Contact: Horizontal Lap-Joint Method.

1. SUBMITTALS

Include the following sentence in the Submittals Article of the guide specification of the finished product.

- A. Certificate of Compliance: Submit manufacturer’s certificate of compliance indicating exterior-grade treated wood composite panel complies with specified requirements.

1. DELIVERY, STORAGE, AND HANDLING

Include the following paragraph in the Delivery, Storage, and Handling Article of the guide specification of the finished product.

- A. Storage:
1. Store materials in accordance with manufacturer's instructions.
 2. Indoor Storage: Store composite materials flat.
 3. Outdoor Storage: Store composite materials under cover, protected from weather, off ground, and on flat base.
 4. Keep composite materials dry.

PART 2 PRODUCTS

2. MATERIALS

Include the following paragraph in the Materials Article of the guide specification of the finished product.

- A. Exterior-Grade Treated Wood Composite Panel: CMI "Extira".
1. Material: Wood fibers combined with phenolic resins, zinc borate, and water repellent. No added urea formaldehyde.
 2. Surface: Sanded 2 sides, smooth, unprimed.
 3. Substrate: 1-piece solid substrate, uniform density, not laminated. No knots or voids.

Specifier Notes: Specify thickness of the panels.

4. Thickness: [1/2 inch] [5/8 inch] [3/4 inch] [1 inch] [1-1/4 inches], plus or minus 0.005 inch.
5. Typical Properties, 3/4-Inch Thickness:
 - a. Density, ASTM D 1037: 47 pounds per cubic foot.
 - b. Modulus of Rupture, ASTM D 1037: 3,550 psi.
 - c. Modulus of Elasticity, ASTM D 1037: 315,000 psi.
 - d. Internal Bond, ASTM D 1037: 92 psi.
 - e. Direct Screw Withdrawal, ASTM D 1037:
 - 1) Face: 352 pounds.
 - 2) Edge: 235 pounds.
 - f. 24-Hour Soak, ASTM D 1037:
 - 1) Thickness Swell: 3.3 percent.
 - g. Accelerated Aging Test, 6-Cycle, ASTM D 1037: Retained 90 percent of original strength.
 - h. Termite Resistance AWPA E7 Rating Scale, 3-Year Exposure:
 - 1) 7.9 out of 10.00.
 - i. Rot Resistance, AWPA E16:
 - 1) 1.0 out of 5.

Specifier Notes: Consult CMI for information regarding the adhesives tested with Extira panels. The end user of Extira panels should contact adhesive manufacturer for information on suitable adhesives for the specific application.

6. Adhesives: Designed for use on wood composite materials.
7. Finish:
 - a. Primer:
 - 1) High-quality, exterior, oil or alkyd solvent-based or acrylic-latex primer system.
 - 2) Designed for use on wood composite materials.
8. Top Coat:
 - a. High-quality, exterior-grade paint system.
 - b. Compatible with primer system.
 - c. Do not use shake and shingle paints, clear coatings, flat oil or alkyd paints, vinyl acetate (PVA) base paints, or transparent and semi-transparent stains.

PART 3 EXECUTION

3.____ INSTALLATION

Include the following paragraph in the Installation Article of the guide specification of the finished product.

- A. Installation of Exterior-Grade Treated Wood Composite Panel: CMI "Extira".
 - 1. Cut, miter, and rout composite materials in accordance with manufacturer's instructions.
 - 2. Ensure composite materials are dry before installing or finishing.
 - 3. Finish:
 - a. Apply primer and top coat to composite materials in accordance with coating manufacturer's instructions.
 - b. Apply primer and top coat before exposing composite materials to exterior applications.
 - c. Ease 90-degree edges, where possible, to improve paint coverage.
 - 4. Fasten composite materials with adhesives, nails, and screws in accordance with manufacturer's instructions.
 - 5. Use adhesives in accordance with adhesive manufacturer's instructions.
 - 6. Position nails no closer than 1/2 inch from edges.
 - 7. Do not install nails into edges.
 - 8. Drill pilot holes when installing screws into edges.

END OF SECTION