

ARCHITECTURAL SPECIFICATIONS

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) Format, including MasterFormat, SectionFormat, and PageFormat, contained in the CSI Manual of Practice.

The section must be carefully reviewed and edited by the Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. PLYCEM® Fibercement Exterior Trim.

1.2 RELATED SECTIONS

- A. Division 06 – Wood, Plastics and Composites
- B. Section 054000 - Cold-formed metal framing
- C. Section 071200 – Built-Up Bituminous Waterproofing
- D. Section 071900 – Water Repellents
- E. Section 072500 - Weather Barriers
- F. Section 074600 - Siding
- G. Section 079200 – Joint Sealants
- H. Section 099000 – Painting and Coating

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.

- A. ASTM C 1185 - Standard Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards.
- B. ASTM C 1186 - Standard Specification for Flat Non-Asbestos Fiber Cement Sheets.
- C. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials
- D. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- E. ANSI/UL 263, Fire Test of Building Construction and Materials

1.4 SUBMITTALS

A. Product Data: Submit manufacturer's specifications and installation instructions for each product specified.

B. Samples: Submit samples of each product type proposed for use.

C. Certificates: Submit documents certifying that products meet or exceed requirements herein.

1.5 QUALITY ASSURANCE

A. Performance requirements: Plycem Exterior Trims are fiber cement products with the following typical properties:

1. Surface Burning Characteristics: Flame Spread index of Zero (0), Smoke Developed index of Zero (0),

2. Flammability: Noncombustible, when tested in accordance with ASTM E 136.

3. Flexural Strength: At least 1015 psi (7 MPa) when in dry condition, tested in accordance with ASTM C 1185.

4. Density: 65 pounds/ft³

5. Freeze Thaw Resistance: No damage or defects were observed.

6. Linear Variation with Change in Moisture Content: 0.016 in/ft.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to site with labels clearly identifying product name and manufacturer.

B. Storage: Store materials off the ground on a flat surface, in a clean, covered dry area in accordance with manufacturer's instructions.

C. Handling: Protect materials, surfaces, and finishes during handling and installation to prevent damage.

1.7 WARRANTY

A. Provide Plycem Exterior Trim limited warranty.

B. See warranty for detailed information on terms, conditions and limitations.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Manufacturer: The Plycem Company, P.O. Box 1642-7050, Cartago, Costa Rica
Ph.: (506)-25754300

B. U.S. Importer: Plycem USA, 10945 State Bridge Road, Suite 401-304, Alpharetta, GA
30022-5676 Email: sales@plycemtrim.com Ph.: (678) – 517 4851

2.2 MATERIALS

General: Plycem Exterior Trim Plycem Trims are manufactured with a proprietary process that combines Portland cement, chalk, recycled cellulose fiber, and specialty additives.

2.3. PRODUCT DESCRIPTION

A. Plycem Exterior Trim Reversible Smooth/Textured Surface

1. Profiles Finish: Factory- primed on all six sides.
2. Thickness $\frac{3}{4}$ " (19mm) or 1" (25mm) Actual
3. Length: 12ft (3660mm) . Actual
 - a. Width: 1- $\frac{3}{4}$ " (44.5mm) . Actual
 - b. Width: 2- $\frac{1}{2}$ " (63.5 mm). Actual
 - c. Width : 3 $\frac{1}{2}$ " (89mm) . Actual
 - d. Width : 5 $\frac{1}{2}$ " (140mm). Actual
 - e. Width : 7 $\frac{1}{4}$ " (184mm). Actual
 - f. Width : 9- $\frac{1}{4}$ " (235mm). Actual
 - g. Width: 11 $\frac{1}{4}$ " (286mm). Actual.

PART 3 EXECUTION

3.1 JOB CONDITIONS

A. Plycem Fiber Cement Exterior Trims can be installed over steel studs and sheathing. Also can be installed over Structural Insulated Panels, Concrete Masonry Units, and Concrete Block Structures.

B. Appropriate flashing should be used to prevent moisture penetration around all doors, windows, wall bottoms, material transitions and penetrations. Refer to local codes for best practices.

3.2 INSTALLATION

A. Refer to the Manufacturer's latest recommendations guidelines for installation, fastening, cutting, finishing, and maintenance.