

(Specifier Note: The purpose of this guide specification is to assist the specifier in correctly specifying plastic simulated wood trim products and their installation. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact a Ply Gem Siding Group Representative to assist in appropriate product selections. Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Delete Specifier Notes upon completion of editing.

References have been made within the text of the specification to MasterFormat Section numbers and titles, specifier needs to coordinate these numbers and titles with sections included for the specific project. Brackets [] and "OR" have been used to indicate when a selection is required.

SECTION 06 65 00
PLASTIC SIMULATED WOOD TRIM
Ply Gem Trim and Mouldings

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. A free-foam cellular polyvinyl chloride (PVC) material forming the following building components:
 - 1. [Sheet Stock,] [Bead Board,] [Corner Boards,] [Trim Boards,] [and] [Moulding Profiles]
- B. Trim Accessories.

1.2 REFERENCES

- A. Leadership in Energy and Environmental Design (LEED)
- B. National Green Building Standard (NGBS)

1.3 SUBMITTALS

(Specifier Note: DELETE Submittal Procedures paragraph when not required. Coordinate requirements with Division 01, Section 01 33 00 – Submittal Procedures.)

- A. Refer to Section [01 33 00 Submittal Procedures] [insert section number and title].
- B. Product Data: Submit manufacturer current technical literature for each type of product.
- C. LEED Submittals:
 - 1. Material and Resources (MR)

(Specifier Note: Verify ability to qualify for Credit MR 5 based on location of Ply Gem Trim and Mouldings manufacturing facility in relationship to Project Site.)

- a. Product Certificates for Credit MR 5: For products and materials required to comply with requirements for regionally manufactured materials. Include statement indicating cost, location of manufacturer, and distance to Project for each regionally manufactured material.

D. NGBS Submittals:

(Specifier Note: Verify ability to qualify for Practice 608.1 based on location of Ply Gem Trim and Mouldings manufacturing facility in relationship to Project Site.)

1. Practice 608 – Indigenous Materials

- a. Practice 608.1: Provide documentation indicating manufacturing location of indigenous materials that are extracted, processed, and manufactured within 500 miles of project site.

2. Practice 1001 – Building Owners’ Manual for One- and Two-Family Dwellings

- a. Practice 1001.1(20): Provide documentation indicating how to maintain and care for material.

E. Quality Assurance Submittals

1. Manufacturer Instructions: Provide manufacturer’s written instructions including proper material storage, material handling, and attachment methods.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Installer shall have a minimum of three (3) years experience in the installation of products listed in this section.

1.5 DELIVERY, STORAGE AND HANDLING

(Specifier Note: COORDINATE requirements with Division 01, Section 01 60 00 – Product Requirements.)

- A. Refer to Section [01 60 00 Product Requirements] [insert section number and title].
- B. Deliver trim materials and components in manufacturer’s original, unopened, undamaged packaging with identification labels intact.
- C. Store materials on dry, level, firm, and clean surface. Cover and ventilate to allow air to circulate and moisture to escape.

- D. Allow material to acclimate to environment, as recommended by manufacturer, prior to installation.

1.6 WARRANTY

(Specifier Note: Limited warranty is transferable in residential and commercial applications between property owners. In a residential application the original individual will receive 100 percent of the purchase price of the original products found to be defective for 30 years from the date of purchase. In commercial applications or if the warranty is transferred between property owners the warranty period will be no more than 30 years from the date of the original purchase and shall be prorated as indicated in the manufacturer's written warranty.)

A. Limited Warranty:

1. Standard form in which manufacturer agrees that under normal use and service conditions Ply Gem Trim and Mouldings products shall be free from material defects in workmanship and materials and will not split, splinter, or rot.
2. Warranty Period: 30 years.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Ply Gem Trim and Mouldings; Ply Gem Siding Group (800-788-1964) (www.plygemtrim.com); 2600 Grand Boulevard, Suite 900; Kansas City, Missouri 64108.

(Specifier Note: DELETE or COORDINATE Substitutions paragraph if substitutions, are addressed in Division 01, Section 01 25 00 – Substitution Procedures.)

B. Substitutions:

1. [Not Permitted.]

[OR]

2. [Requests for substitutions will be considered in accordance with provisions of [Section 01 60 00 – Product Requirements] [insert section number and title].]

2.2 PERFORMANCE CRITERIA

A. Manufacturing Tolerances:

1. Variation in component length: Plus 1.00; minus 0.00
2. Variation in component width: Plus or minus 1/16 inch.
3. Variation in component thickness: Plus or minus 1/16 inch.

4. Variation in component edge cut: Plus or minus 2 degrees.

2.3 MATERIALS

- A. General: An extruded free-foam cellular PVC material used for interior and exterior building components.
- B. Standard Profiles:
 1. Trimboard:

(Specifier Note: COORDINATE; all trimboard widths are not available in all thicknesses listed. 5/4 stock comes with an option in selected widths to be fabricated with a "J-notch". Refer to www.plygemtrim.com or contact a Ply Gem Siding Group Representative for available products.)

- a. Nominal width: [4] [and] [5] [6] [8] [10] [12] inch [at locations indicated on Drawings].
 - b. Nominal thickness: [5/8] [1] [5/4] inch
 - c. Texture: [Smooth] [Woodgrain]
 - d. [Profile: Provide "J" notch.]
2. Corner Boards:
 - a. Nominal width: [4 by 4] [6 by 6] inch
 - b. Nominal thickness: 5/4 inch
 - c. Texture: [Smooth] [Woodgrain]
 - d. [Profile: Provide "J" notch.]
 3. Sheet:
 - a. Sheet Width: 4 feet
 - b. Thickness: [1/2] [and] [5/8] [1] [5/4] inch
 - c. Texture: [Smooth] [Woodgrain]
 4. Reversible Bead Board:
 - a. Coverage width: 6 inch
 - b. Nominal thickness: 1/2 inch
 - c. Texture: Smooth
 5. Skirt Board:
 - a. Nominal Width: [6] [8] inch
 - b. Nominal thickness: 5/4 inch
 - c. Texture: Woodgrain

6. Post Wrap and Accent:
 - a. Nominal Width: [4] [6] [8] inches square
 - b. Material thickness: 1/2 inch
 - c. Texture: Smooth
 - d. Type: [Wrap] [and] [Accent]

C. Moulding: Provide the following mouldings where shown on Drawings.

1. [Crown Profiles: [3-5/8] [and] [4-5/8] [5-1/4] [Rams] Crown.]
2. [Casing Profiles: [Base Cap] [and] [Brick Mould] [Brick J Mould] [Adams Casing] [Rake Moulding].]
3. [Cove Profiles: [Bed Mould] [Shingle] [and] [Scotia Cove] [Quarter Round].]
4. [Back Band]
5. [Base Cap]
6. [Drip Cap]
7. [Shingle Mould]
8. [Sills: [Historic Sill] [Sub Sill Nose].]
9. [Inside Corner/Baluster]
10. [Flex Garage Door Trim]
11. [Bead Board: 1/2 inch thick by 6 inches wide.]

2.4 ACCESSORIES

(Specifier Note: Manufacturer recommends the use of a high quality, exterior grade fastener, such as stainless steel, for attaching trim to framing members. Manufacturer does not recommend the use of staples, small brads, wire nails, fine thread wood screws or ring shank nails to fasten trim to framing members.)

- A. Fasteners: Provide [stainless steel] [double-dipped galvanized] fasteners, type and size as recommended by manufacturer.
- B. Adhesive: Provide product as recommended by manufacturer.

(Specifier Note: DELETE paragraph regarding sealants if there are no requirements for using sealants in conjunction with trim and mouldings. Manufacturer does not require the use sealants at the joints of different trim and moulding connections.)

- C. [Sealants: Refer to Section [07 92 00 – Joint Sealants] [Insert section number and title].]

2.5 FINISH

- A. Manufacturer's standard finish "White".

(Specifier Note: Manufacturer recommends the use of acrylic latex paint with a light reflectance value (LRV) above 55. Ply Gem Trim and Mouldings do not require a field applied finish for protection, if trim is field painted curing of paint is dependent on local temperature and humidity.)

- B. [Field Painted: Refer to [Section 09 91 13 – Exterior Painting] [Insert section number and title].]

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that substrate is ready for the installation of trim.
- B. Verify that building components that require installation prior to trim installation are complete and ready for the work of this Section.

3.2 INSTALLATION - GENERAL

- A. Install free foam cellular PVC trim per manufacturer's written installation instructions and as follows:
 - 1. Install trim to flat, solid and stable surfaces.
 - 2. Install trim level, plumb, true, and aligned with adjacent materials.
 - 3. Do not install damaged components.
 - 4. Fasten trim with minimum of 2 fasteners at each framing member. Refer to manufacturer's installation instructions for recommended fastening patterns.
 - 5. Allow for thermal movement in long trim runs, provide a minimum of 1/8 inch movement for each 18 feet.
 - 6. Install fasteners not more than 2 inches from each end of trim.
 - 7. Bond running joints and corners with adhesive.
 - 8. Joinery:
 - a. Trim shall be installed with minimum number of joints practical, using full-length pieces. Do not use trim pieces less than 24 inches long for long trim runs, except where necessary.
 - b. End to end joints to be scarf joints.
 - c. Stagger end joints in adjacent and related members.
 - d. Scribe and cut trim to fit adjoining work.
 - e. Cut joints shall be fit to exclude water.
 - f. Cope joints at returns and miter outside corners.
 - 9. Lightly sand joints after cutting.
- B. Install flashings over trim as indicated on Drawings, refer to [Section 07 62 00 – Sheet Metal Flashing and Trim] [Insert section number and title].

3.3 CLEANING AND PROTECTION

- A. Remove damaged, defective or improperly installed materials. Replace with new materials installed per requirements of this section.
- B. Clean finished surfaces according to manufacturer's written instructions; maintain clean condition until Substantial Completion.

END OF SECTION