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## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

This 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” after editing this section.

Section numbers are from *MasterFormat 1995 Edition*, with section numbers from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

### SECTION 07210 (07 21 13.13)

#### VINYL SIDING INSULATION

Specifier Notes: This section covers Progressive Foam Technologies, Inc. “Fullback® Thermal Support System” custom-contoured foam board insulation field installed behind a specific make and profile of vinyl siding. Consult Progressive Foam Technologies, Inc. for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Contoured foam board insulation field installed behind vinyl siding.

##### 1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required. Delete related sections not required. List other sections with work directly related to this section.

- A. Section 07460 (07 46 34) – Vinyl Siding.

### 1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards mentioned in this section, complete with designations and titles. Delete reference standards not included in this edited section. This article does not require compliance with reference standards, but is merely a listing of those used.

- A. ASTM C 272 – Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions.
- B. ASTM C 303 – Standard Test Method for Dimensions and Density of Preformed Block and Board-Type Thermal Insulation.
- C. ASTM C 578 – Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
- D. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
- E. ASTM E 96 – Standard Test Methods for Water Vapor Transmission of Materials.
- F. UL 723 – Standard for Test for Surface Burning Characteristics of Building Materials.

### 1.4 SUBMITTALS

Specifier Notes: Edit submittal requirements as required. Delete submittals not required.

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.

Specifier Notes: Delete samples if not required.

- C. Samples: Submit manufacturer's sample of board insulation laminated to vinyl siding, minimum 6 inches by 6 inches.
- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Warranty Documentation: Submit manufacturer's standard warranty.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying:
  - 1. Product name and manufacturer.
  - 2. Vinyl siding make and profile and container units.
- B. Storage and Handling Requirements:
  - 1. Store and handle materials in accordance with manufacturer's instructions.

2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
3. Store materials in clean, dry area.
4. Protect materials from wind.
5. Protect materials during storage, handling, and installation to prevent damage.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. Progressive Foam Technologies, Inc., 6753 Chestnut Ridge Road, Beach City, Ohio 44608. Toll Free 800-860-3626. Phone 330-756-3200. Fax 330-756-3206. Website [www.fullback.com](http://www.fullback.com). E-mail [info@progressivefoam.com](mailto:info@progressivefoam.com).

### **2.2 VINYL SIDING INSULATION**

- A. Board Insulation: "Fullback Thermal Support System".
1. Description: Custom-contoured foam board insulation field installed behind specific make and profile of vinyl siding.
  2. Material:
    - a. Rigid expanded polystyrene (EPS), treated with fire retardant and insect deterrent.
    - b. Compliance: ASTM C 578.
    - c. Certification: UL 723.
  3. Density, ASTM C 303: 1.0 pcf (16 kg/m<sup>3</sup>).
  4. Surface Burning Characteristics, ASTM E 84:
    - a. Flame Spread Index: 5.
    - b. Smoke Developed Index: 100 to 200.
  5. Water Absorption, ASTM C 272: Maximum 2.75 percent by volume.
  6. Water Vapor Transmission, ASTM E 96: 5.0 perms/inch.
  7. Thermal Expansion, ASTM C 578: 0.000035 inch/inch/degree F (0.000063 mm/mm/degree C).
  8. R-Value: 2.2 to 5.1, depending on profile.
  9. Manufacturing Size Tolerances:
    - a. Thickness: Plus or minus 1/16 inch (1.6 mm).
    - b. Width: Plus or minus 1/8 inch (3.2 mm).
    - c. Length: Plus or minus 1/4 inch (6.4 mm).
  10. Profiles: Match vinyl siding profiles.
- B. Accessories:
1. Vinyl Universal Underlayment Starter Strips: "EasyStart".
  2. Remodeling Corner Post Insulation: "EasyPost Plus".
  3. New Construction Corner Post Insulation: "NC EasyPost".
  4. Starter adaptors.
  5. J-Channel Insulation Shims: "EasyShim".
  6. V-Caps: "Inside EasyPost".
  7. Architectural corner adaptors.
  8. Window surrounds.
  9. Flat Foam Insulation: "Halfback".

Specifier Notes: Specify the section number for the vinyl siding.

- C. Vinyl Siding: Specified in Section [07460] [07 46 34].

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine walls to receive board insulation.
- B. Verify board insulation coordinates with make and profile of vinyl siding.
- C. Notify Architect of conditions that would adversely affect installation of board insulation or vinyl siding.
- D. Do not begin installation until unacceptable conditions are corrected.

#### **3.2 INSTALLATION**

- A. Install board insulation behind vinyl siding in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install board insulation and vinyl siding plumb, level, square, in proper alignment, and weathertight.
- C. Butt adjoining board insulation panels together without gaps.

Specifier Notes: Specify the section number for the vinyl siding.

- D. Vinyl Siding: Install vinyl siding as specified in Section [07460] [07 46 34].

#### **3.3 PROTECTION**

- A. Protect installed board insulation from damage during construction until covered with vinyl siding.

**END OF SECTION**