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October 2016

Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide, MasterFormat, SectionFormat, and PageFormat.*

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 Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2014 Update.*

SECTION 07 72 73

ROOF VENTILATION MATS

Specifier Notes: This Section covers Advanced Building Products, Inc. "CedAir-Mat™" roof ventilation mats used to create an airspace to promote air flow in all directions between the roofing material (wood, metal, tile) and the roof sheathing. Consult Advanced Building Products, Inc. for assistance in editing this Section as required for the Project.

Use of "CedAir-Mat™" may contribute to LEED credits. Consult Advanced Building Products, Inc. for more information.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof ventilation mats.

1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

- A. Section 07 72 00 – Roof Accessories.

1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles.

- A. ASTM International (ASTM) (www.astm.org):
 1. ASTM D 5035 – Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method).
 2. ASTM D 5261 – Standard Test Method for Measuring Mass per Unit Area of Geotextiles.
 3. ASTM E 84 - Test Method for Surface Burning Characteristics of Materials.
 4. ASTM D 4716 – Standard Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head.

1.4 SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

- A. Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Samples: Submit manufacturer's sample of roof ventilation mats, 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 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer regularly engaged, for a minimum of 5 years, in the manufacturing of roof ventilation mats of similar type to that specified.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

- 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 indoors.
 - 4. Protect materials during storage, handling, and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Advanced Building Products, Inc., 95 Cyro Drive, Sanford, Maine 04073. Toll Free 800-252-2306. Fax 207-490-2998. Website www.advancedbuildingproducts.com. Email info@ABP-1.com.
- B. Basis of Design: CedAir-Mat™, as manufactured by Advanced Building Products, Inc.

Specifier Notes: Specify if substitutions will be permitted.

- C. Substitutions: [Not permitted] [Comply with Division 01].

2.2 MATERIALS

- A. Roof Ventilation Mats: "CedAir-Mat".
 - 1. Material: Nylon 6.
 - 2. Type: Flexible, entangled open mesh.
 - 3. Thickness: 0.407 inch (10.35 mm).
 - 4. Unit Weight, ASTM D 5261: 8.66 oz per sq yd.
 - 5. Tensile Strength, ASTM D 5035 Modified:
 - a. Machine Direction: 100.0 lbs per sq ft.
 - b. Transverse Direction: 68.8 lbs per sq ft.
 - 6. Elongation, ASTM D 5035 Modified:
 - a. Machine Direction: 60 percent.
 - b. Transverse Direction: 53 percent.
 - 7. Fire Rating, ASTM E 84: Class A
 - 8. Flow Rate, ASTM D 4716: 5.1 Cu.Ft./Min./Ft width

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive roof ventilation mats.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install roof ventilation mats in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install roof ventilation mats to create airspace to promote air flow in all directions between roofing material and roof sheathing.
- C. Install roof ventilation mats flush against edge of flashing or drip edge.
- D. Trim roof ventilation mats at roof penetrations.
- E. Do not overlap roof ventilation mats.
- F. Butt each course tightly against previous course and at vertical seams.
- G. Allow for additional thickness of roof ventilation mats when using fasteners to install roofing material.

3.3 PROTECTION

- A. Protect installed roof ventilation mats from damage during construction.

END OF SECTION