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August 2019

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

Section numbers and titles are based on *MasterFormat 2018 Edition*.

SECTION 31 21 13.16

RADON MITIGATION MAT

Specifier Notes: This Section covers Advanced Building Products, Inc. "RAM Vent" radon abatement mat for use in active radon mitigation systems. Consult Advanced Building Products, Inc. for assistance in editing this Section as required for the Project.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Radon abatement mat.

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 31 21 13 – Radon Mitigation.

1.3 PREINSTALLATION MEETINGS

Specifier Notes: Edit the Preinstallation Meetings article as required for the Project. Delete this article if not required.

- A. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of radon abatement mat.
- B. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, and installer.
- C. Review the Following:
 - 1. Materials.
 - 2. Installation.
 - 3. Protection.
 - 4. Coordination with other Work.

1.4 SUBMITTALS

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

- A. Submittals: Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Samples: Submit manufacturer's sample of radon abatement mat.
 - 1. Sample Size: Minimum 5 inches by 7 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 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 areas, protected from exposure to harmful weather conditions.
 - 4. Do not store materials directly on ground.
 - 5. Store materials out of direct sunlight.
 - 6. Keep materials from freezing.
 - 7. Protect materials during storage, handling, and installation to prevent damage.

1.6 AMBIENT CONDITIONS

- A. Do not install radon abatement mat under ambient conditions outside manufacturer's limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Advanced Building Products, Inc., 95 Cyro Drive, Sanford, Maine 04073. Toll Free 800-252-2306. Fax 207-490-2998. www.advancedbuildingproducts.com. info@abp-1.com.

Specifier Notes: Specify if substitutions will be permitted.

- B. Substitutions: [Not permitted] [Comply with Division 01].
- C. Single Source: Provide radon abatement mat from single manufacturer.

2.2 MATERIALS

- A. Radon Abatement Mat: "RAM Vent" radon abatement mat.

Specifier Notes: Specify the filter fabric on 1 or 2 sides of the geomatrix.

1. Description:
 - a. Geomatrix with filter fabric bonded on [1 side] [2 sides] to allow air to flow freely.
 - b. Use in active radon mitigation systems.
2. Geomatrix: Lightweight, entangled, polypropylene or nylon 6.
 - a. Open Air Space: 95 percent.
3. Filter Fabric: Heat-bonded, non-woven, polyester.
4. Mat Dimensions:
 - a. Thickness: 0.8 inch.
 - b. Width: 20 inches.
 - c. Length: 50 feet.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive radon abatement mat.
- B. Notify Architect of conditions that would adversely affect installation.
- C. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install radon abatement mat in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install radon mitigation as specified in Section 31 21 13 and as indicated on the Drawings.
- C. Place concrete slab as specified in Section 03 30 00 and as indicated on the Drawings.

3.3 PROTECTION

- A. Protect installed radon abatement mat from damage during construction.

END OF SECTION