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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 55 63.19

VEGETATED PROTECTED MEMBRANE ROOFING GROWING MATS

Specifier Notes: This Section covers Advanced Building Products, Inc. "GroundGuard VM 501" and "GroundGuard VM 502" green roof growing mats for use with pre-vegetated systems requiring extra soil and root stability. Consult Advanced Building Products, Inc. for assistance in editing this Section as required for the Project.

When "GroundGuard VM" green roof growing mats are used in erosion prone areas, such as channels and slopes, this Section will be Section 32 91 16.16 – Mat Planting Soil Stabilization.

Use of "GroundGuard VM" may contribute to LEED credits. Consult Advanced Building Products, Inc. for more information.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Green roof growing 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 55 63 – Vegetated Protected Membrane Roofing.
- B. Section 07 55 63.16 – Vegetated Protected Membrane Roofing Root Reinforcement Mats.
- C. Section 32 91 00 – Planting Preparation.

1.3 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 green roof growing 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.

1.4 QUALITY ASSURANCE

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

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

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Advanced Building Products, Inc., PO Box 98, Springvale, Maine 04083. Toll Free 800-252-2306. Fax 207-490-2998. Website www.advancedbuildingproducts.com. Email info@ABP-1.com.

Specifier Notes: Specify if substitutions will be permitted.

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

2.2 MATERIALS

Specifier Notes: Specify "GroundGuard VM 501" or "GroundGuard VM 502" green roof growing mats. Delete green roof growing mat not required.

- A. Green Roof Growing Mats: "GroundGuard VM 501".
 - 1. Core bonded to filter fabric.
 - 2. Core:
 - a. Material: Nylon.
 - b. Type: Flexible, entangled open mesh.
 - 3. Filter Fabric:
 - a. Material: Polyester.
 - b. Fabric Flap: 3 inches (76 mm).
 - c. Recycled Content: 17 percent.
 - 4. Thickness: 0.40 inch (10 mm).

- B. Green Roof Growing Mats: "GroundGuard VM 502".
 - 1. Core bonded to filter fabric.
 - 2. Core:
 - a. Material: Nylon.
 - b. Type: Flexible, entangled open mesh.
 - 3. Filter Fabric:
 - a. Material: Polyester.
 - b. Fabric Flap: 3 inches (76 mm).
 - c. Recycled Content: 17 percent.
 - 4. Thickness: 0.625 inch (16 mm).

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive green roof growing 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 green roof growing mats in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install green roof growing mats to allow permanent securing of plant roots in soil.
- C. Butt green roof growing mats together without overlapping.

3.3 PROTECTION

- A. Protect installed green roof growing mats from damage during construction.

END OF SECTION