

Carpet Ridge Recessed Mats

Architectural Specifications

SECTION 12484: FURNISHINGS – FIBERED ROLL GOOD ENTRANCE SYSTEMS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes: Entrance matting systems, including fibered roll good entrance systems
- B. Related Sections: Section(s) related to this section include:
 - 1. Section 03300 - Cast-In-Place Concrete.
 - 2. Section 08110 - Steel Doors and Frames.
 - 3. Section 08212 - Stile and Rail Wood Doors.
 - 4. Section 08710 - Door Hardware.

1.02 REFERENCES

- A. Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. The Standards listed here are identified with a designation number, title or other designation established by the issuing authority.
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM E648 Standard Test Method for Critical Radiant Flux of Flooring Systems Using a Radiant Energy Source
- C. Other referenced documents:
 - 1. BS 1006 Methods of test for color fastness of textiles and leather
 - 2. ISO 105 B02 Tests for color fastness -- Part B02: Color fastness to artificial light: Xenon arc fading lamp test
 - 3. ISO 105 E01 Tests for color fastness -- Part E01: Color fastness to water
 - 4. ISO 105 x12 Tests for color fastness -- Part X12: Color fastness to rubbing
 - 5. ISO 6356 Assessment of static electrical propensity -- Walking test
 - 6. LEED-NC version 3

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide surface-mounted or recessed fibered entranceway system, which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with the Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product data: Submit product data, including manufacturer's specification sheet and installation instructions for specified products. Include methods of installation and substrate preparation for each type of substrate.
- C. Shop drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns and textures.
- D. Samples: Submit samples for each type and color of exposed entrance mat, frames and accessories required. Provide 6-inch square samples of mat materials.
- E. Quality Assurance Submittals: (1) Certified test reports showing compliance with specified performance characteristics and physical properties, and (2) Manufacturer's Installation Instructions.
- F. Closeout Submittals: (1) Cleaning & Maintenance Data (Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance), and (2) Warranty.

1.05 QUALITY ASSURANCE

- A. Installer: Installer should be highly experienced in performing work of this section, having previously done work similar to that required for this project.

1.06 SEQUENCING/SCHEDULING

- A. Ordering: Comply with Manufacturer's ordering instructions and lead-time requirements to avoid construction delays.
- B. Delivery: Deliver materials in Manufacturer's original, unopened, undamaged packaging.
- C. Storage: Store materials at temperature and in humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.
- D. Installation: Except as otherwise indicated herein, sequencing or scheduling for performance of work of this section in relation with other work is Contractor's option. Delay installation of mats until near time of substantial completion for the project.

1.07 PROJECT CONDITIONS

- A. Temperature: Maintain temperature where products will be installed before, during and after installation as recommended by Manufacturer.
- B. Field Measurements: Where possible, verify actual measurements by field measuring before fabrication and include measurements in shop drawings. To avoid construction delays, coordinate field measurements and fabrication schedule based upon construction progress.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. Provide Carpet Ridge Mats by **American Floor Mats**, 152 Rollins Avenue # 102 Rockville, Maryland 20852; telephone 800-762-9010; fax 301-881-7840; www.americanfloormats.com

2.02 MATERIALS

- A. Specialized Nylon Roll Goods: 100 percent Premium Polyamide Nylon Fiber (6.6) with Polypropylene base grid as follows:
1. **Carpet Ridge**: 9/16 inch thick with high density anti-slip rubber backing, 103 oz/sq.yd [charcoal] [blue] [solid black] [brown] color.
- B. Options & Accessories
1. Polypropylene Roll Goods:
 - a. Ultra Flex Premium Sewn-on Nosing
 - b. Adhesive for Mounting: Multi-Bond Adhesive as recommended by manufacturer
 - c. Aluminum Framing: Aluminum framing and ramping transitions as recommended by manufacturer
 - d. Vinyl reducer: PVC reducer transition strip as recommended by manufacturer
 - e. Custom inlaid logo
- D. Product Testing
1. ASTM D2829 Critical Radiant Flux: Class II
 2. BS 1006 Color fastness of textiles: 5
 3. ISO 105 B02 Color fastness to light: 5
 4. ISO 105 E01 Color fastness to water: 5
 5. ISO 105 x12 Color fastness to rubbing: 4 - 5
 6. ISO 6356 Static electrical propensity: < 2 kV
 7. LEED-NC version 3
 - a. IEQ Credit 4.1: Multi-Bond Adhesive VOC: 0 g/L
 - b. IEQ Credit 5: Legacy is designed for permanent installation.
 - c. MR Credit 4: 5.63% post-consumer recycled

2.03 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

PART 3 – EXECUTION

3.01 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where floor mats will be installed. Do not proceed with installation until unsatisfactory conditions are corrected. Sub floor shall be clean and dry, and within acceptable tolerances.

3.02 INSTALLATION

- A. General: Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent tripping hazards.
- B. Sizes: Where not indicated otherwise, provide single unit for each mat installation, but do not exceed manufacturer's maximum size recommendation for units intended for removal and cleaning. Where possible, verify sizes by field measurement before shop fabrication.
- C. Accessories: Where indicated for recessed or wall-to-wall applications provide aluminum framework as recommended by manufacturer. Where indicated for surface-mounted applications, provide tapered vinyl moldings with flanges sewn to back of mat on all four sides with mitered corners.

3.03 CLEANING AND PROTECTION

- A. General Cleaning: Refer to Manufacturer's Cleaning and Maintenance Instructions.
- B. Owner's Personnel: Instruct Owner's personnel in proper maintenance procedures.
- C. Protection: Protect installed product and finish surfaces from damage during construction and until acceptance.

END OF SECTION

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