

SECTION 12484 - FLOOR MATS**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Carpet-type mats.

1.3 SUBMITTALS

- A. Product Data: Include manufacturer's specifications and installation instructions, construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of floor mat and trim accessory specified.
- B. Samples for Initial Selection: For each type of floor mat and trim accessory indicated or required, submit manufacturer's full range of standard colors available, for selection by Designer.
- C. Samples for Verification: 12-inch-square assembled sections of floor mats showing each color of exposed floor mats.
- D. Maintenance Data: For cleaning and maintaining floor mats to include in maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Accessibility Requirements: In addition to requirements of authorities having jurisdiction, provide installed floor mats that comply with Section 4.5 in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."
- B. Flammability in accordance with ASTM E648, Class I, Critical Radiant Flux, minimum 0.45 watts/m².
- C. Slip resistance in accordance with ASTM D-2047-96, Coefficient of Friction, minimum .060 for accessible routes.

1.5 COORDINATION

- A. Coordinate size and location of oversized recesses in concrete work to receive floor mats. Concrete, reinforcement, and formwork requirements are specified in Division 3.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Modular Carpet-Type Mats:
 - a. Mats Incorporated; Diagonal Tiles manufactured by Vebe.
 - b. American Floor Products Company, Inc
 - c. Entrance, Inc.

2.2 FLOOR MATS

- A. General: Provide colors, patterns, and profiles of materials, indicated or specified. If not indicated, provide colors, patterns, and profiles selected by Designer from manufacturer's standards. Provide one border (1'-0" wide) color & one field color.
- B. Carpet-Type Mats: Polypropylene nonwoven carpet tiles of solution dyed fiber bonded to 1/8 to 1/4-inch-thick, flexible felt backed bitumen backing to form mats 0.37 inch-thick with nonraveling edges. Total material weight shall be 129.5 oz./sq. yd.
 - 1. Tapered Flexible Molding: Where required by locations with no abutting material of thickness equal to mats, provide tapered vinyl carpet edge moldings with flanges fused to back of mat at all applicable edges, with mitered corners where adjacent edges receive molding.
 - 2. Primary backing: Bitumen based polymer or approved equal.

2.3 FABRICATION

- A. General: Where possible, verify sizes by field measurement before shop fabrication.
- B. Floor Mats: Shop fabricate units to greatest extent possible in sizes as indicated. If not otherwise indicated, provide single unit for each mat installation; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning. Where joints in mats are necessary, space symmetrically and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units without joints.

PART 3 - EXECUTION**3.1 INSTALLATION**

- A. Install surface-type units to comply with manufacturer's written instructions at locations indicated; coordinate with entrance locations and traffic patterns.

3.2 PROTECTION

- A. Defer installation of floor mats until Project is near Substantial Completion.

END OF SECTION 12484