

ARCHITECTURE

SECTION 12484

FLOOR MATS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Carpet-type mats recessed in ceramic tile floor..

1.2 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other Work.
 - 1. Verify recesses and openings in substrates by field measurements before fabrication and indicate measurements on Shop Drawings.
- C. Samples: **12-inch- (300-mm-)** square assembled sections of floor mats, frame members, and tread rails with selected tread surface showing each type of metal finish and color of exposed floor mats, tread rails, frames, and accessories required.
- D. Maintenance data.

1.3 QUALITY ASSURANCE

- A. Accessibility Requirements: Comply with "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)" and requirements of authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 FLOOR MATS AND FRAMES

- A. Carpet-Type Mats: Carpet bonded to **1/8- to 1/4-inch- (3- to 6-mm-)** thick, flexible vinyl backing to form mats **3/8 or 7/16 inch (9.5 or 11 mm)** thick with non-raveling edges.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Arden Architectural Specialties, Inc.
 - b. Balco, Inc.
 - c. Bonar Floors.
 - d. Construction Specialties, Inc.
 - e. Mats Incorporated.
 - f. Musson, R. C. Rubber Co. (The).
 - g. Pawling Corporation.
 - 2. Carpet Material: Polypropylene.
 - 3. Carpet Pattern: Berber.
- B. Recessed Aluminum Frames: Extruded aluminum, **ASTM B 221 (ASTM B 221M)**, alloy 6061-T6 or alloy 6063-T5, T6, or T52.
 - 1. Finish: Mill.
 - 2. Clear Anodic Finish: Class I complying with AAMA 611.

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2.2 FABRICATION

- A. Floor Mats: Shop fabricate units to the greatest extent possible.
 - 1. 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.
 - 2. Where joints in mats are necessary, space symmetrically and away from normal traffic lanes.
 - 3. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units without joints.
- B. Recessed Metal Mat Frames: Size and style to fit floor mat type specified, for permanent recessed installation, complete with corner pins or reinforcement and anchorage devices.
 - 1. Fabricate edge-frame members in single lengths or, where frame dimensions exceed maximum available lengths, provide minimum number of pieces possible, with hairline joints equally spaced and pieces spliced together by straight connecting pins.
- C. Corrosion Protection: Coat surfaces of aluminum frames that will contact cementitious material with manufacturer's standard protective coating.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install recessed mat frames to comply with manufacturer's written instructions. Set mat tops at height recommended by manufacturer for most effective cleaning action; coordinate top of mat surfaces with bottom of doors that swing across mats to provide clearance between door and mat.
 - 1. Frame to be installed flush with top of adjacent ceramic tile flooring.
 - 2. Install necessary shims, spacers, and anchorages for proper location and secure attachment of frames.
 - 3. Install grout and fill around frames and, if required to set mat tops at proper elevations, in recesses under mats. Finish grout and fill smooth and level. Comply with requirements specified in Division 3 for grout and fill.
- B. Protection: After completing frame installation and concrete work, provide temporary filler of plywood or fiberboard in recesses and cover frames with plywood protective flooring. Maintain until Substantial Completion.

END OF SECTION 12484