

SECTION 12484 - FLOOR MATS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Roll-up [aluminum]-tread rail hinged floor mats.

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. Mat Graphics: With custom inlaid or woven-in graphic as indicated.
- B. Roll-up Aluminum Rail Hinged Mats: Extruded-aluminum tread rails sitting on continuous vinyl cushions.
 - 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:

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2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Pedimat.
 - b. Or Pre Approved Equal
 3. Aluminum Finish: Clear anodized
 4. Hinge Material: Aluminum
 5. Tread Rail Modules: 1-1/2 inch (38 mm) wide by 7/16 inch (9.5 mm) thick.
 6. Treads: Textured-surface, resilient vinyl inserts] [Ribbed-design-surface, resilient vinyl inserts. 1/4 -inch- high, 28 oz sq yd weight, level cut, nylon-pile, fusion bonded carpet inserts
 7. Tapered Flexible Edges: Vinyl edge-frame members, not less than 1-1/2 inches (38 mm) wide, attached to mat at all 4 edges, with welded mitered corners.
 8. Tapered Rigid Frame: Extruded-aluminum frame members, not less than 1-1/2 inches (38 mm) wide, with mitered corners and finish to match tread-slat extrusions.
 - 9.
- C. 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 II complying with AAMA 611.
 3. Color Anodic Finish: Class II complying with AAMA 611As selected from full range of industry colors and densities.

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. For installation in terrazzo flooring areas, provide allowance for grinding and polishing of terrazzo without grinding surface of recessed frames. Coordinate with other trades as required.
 - 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. Install surface-type units coordinated with entrance locations and traffic patterns.
 - 1. Anchor fixed surface-type frame members to floor with devices spaced as recommended by manufacturer.
- C. 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

