



Section 124813

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Foot Mats and Frames

1.2 REFERENCES

- A. ASCE 7-Building Code Requirements for Minimum Design Loads in Buildings and other structures
- B. ASTM B221 – Aluminum – Alloy Extruded Bars, Rods, Wire, Shapes and Tubes
- C. ASTM D-2047-82-Static Coefficient of Friction
- D. CRI : The Carpet and Rug Institute

1.3 PERFORMANCE

- A. Flammability in accordance with ASTM E648, Class I, Critical Radiant Flux, minimum 0.45 watts/m²
- B. Slip resistance in accordance with ASTM D-2047-96, Static Coefficient of Friction (SCOF), minimum 0.60 for accessible routes.
- C. Standard rolling load performance is 250 - 500 lbs. / wheel (10,000 cycles) in accordance with Philippe roll test.
- D. Single Source Responsibility: Obtain floor mats and frames from one source of a single manufacturer.
- E. Utilize superior structural aluminum alloy 6063-T6 for rail components.

SUBMITTALS

- A. Section 01300 – Submittals: Procedures for submittals
- B. Shop Drawings: Indicate rail configuration, supports, frame profiles, locations, dimensions and installation details
- C. Samples: Provide two (2) sets of color samples representing manufacturers full range
- D. Installation instructions for each specified product
- E. Closeout Documents – Maintenance, Warranty

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Supplied by **Ontario Specialty Architectural Products LLC**,
PO Box 392567, Dubai, UAE; T: +97142776760 F: +97142776736
E-mail: sales@ontariosa.com Web: www.ontariosa.com

2.2 MATERIALS AND COMPONENTS

- A. **Acceptable Product:** Model AM-1000
- B. **Description:** Architectural Mat, AM-1000 shall be manufactured from 6063-T6 aluminum, with slotted vinyl connector to allow rollback for easy cleaning and vinyl edge fillers for field adjustment. Overall depth without frame is (11mm). Supplied in anodized (standard) or one of 6 optional colors as offered by manufacturer.
- C. Aluminum Members: Extrusions: ASTM B211 Type 6063-T6 Alloy

2.3 TREAD INSERT OPTIONS

- A. **Exterior Carpet** shall be solution dyed polypropylene fibers with 50/50 blend of 600/12-denier multi filament and 595/D1 monofilament, available in one of 4 standard colors as offered by manufacturer. The texturized fibers have ultraviolet blockers and color as an integral part of the filament. Each carpet fiber and monofilament shall be fusion-bonded to a rigid two-ply backing to prevent fraying and supplied in continuous splice-free lengths.

- B. **Interior Carpet:** Fibers shall include a minimum of 100, 12 mil monofilament fibers per square inch. Available in one of 23 non-standard colors as offered by manufacturer. Each carpet fiber and monofilament shall be fusion-bonded to a rigid two-ply backing to prevent fraying and supplied in continuous splice free lengths.

- C. **Serrated Aluminum Insert:** shall be in 6063-T6 in clear anodized finish only.

2.4 FRAMES OPTION

- A. **Angle Recessed Frame:** Shall be 13mm deep recessed frame in 6063-T6 aluminum alloy with a thickness of 2mm.

- B. **Tapered Surface Frame:** Shall be 38mm wide in 6063-T6 aluminum alloy supplied in mill finish.

2.5 FABRICATION:

- A. Maximum size of one mat construction to be 3000mm x 2000mm.

2.6 FINISHES

All exposed aluminum surfaces to be mill finish or all exposed aluminum surfaces to be Clear Anodized Finish

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces and openings are ready to receive work and field measurements are as shown on drawings, allowing for square and level tolerances.

3.2 INSTALLATION

- B. Install specified products in accordance with shop drawings and manufacturer's printed installation instructions as per the submittals section.
- C. Coordinate installation method with application of surrounding materials.
- D. Clean all components thoroughly before installation.
- E. Remove debris from recesses to receive frames; sweep recesses clean.

3.3 PROTECTION

- A. Protect all mats and frames from construction traffic. Mats should be stored until completion of project or protected by plywood or other substrate to prevent damages.

END OF SECTION