

SECTION 124813

ENTRANCE FLOOR MATS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labour, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Recessed aluminum floor mats and frames.
 - 2. Surface mounted aluminum floor mats and tapered vinyl frame.
- B. Related Work: The following items are not specified in this Section:
 - 1. Section 033000 - CAST-IN-PLACE CONCRETE for concrete work, including forming, placing, and finishing concrete floor slabs, and for concrete materials for grouting and filling around and under recessed mats and frames.
 - 2. Section 124816 - ENTRANCE FOOT GRILLES for foot grilles.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. Include construction details, material descriptions, dimensions of individual components, profiles and finishes.
- B. Shop Drawings: Show the following:
 - 1. Divisions between mat sections, if applicable.
 - 2. Perimeter floor mat frames.
- C. Samples for Verification: For each type of product indicated.
 - 1. Floor Mat: 12-inch- square, assembled sections of floor mat.
 - 2. Frame Members: 12-inch- long sample of each type and colour.
- D. Maintenance Data: For floor mats to include in maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain floor mats through one source from a single manufacturer.
- B. Manufacturer: Minimum of 5 years experience manufacturing similar products.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Take field measurements before fabrication to the greatest extent practical. Coordinate fabrication schedule with construction so that work can be performed without any delays due to fabrication and delivery.

1.6 COORDINATION

- A. Coordinate size and location of recesses with installation of finished floors to receive floor mats and frames.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations.

PART 2 - PRODUCTS

2.1 ENTRANCE FLOOR MATS

- A. Basis-of-Design Manufacturer: K.N. Crowder Mfg., Inc., Toll Free Tel: 866-999-1KNC (1562). Internet: www.kncrowder.com.

- B. FM-14 Abrasive floor mat: Aluminum tread rails with poured abrasive insert**

1. Tread rail dimensions: 1-13/16" x 3/8" deep [46 mm x 9.5 mm].
2. Assembled with continuous aluminum hinge, providing 3/16" [4.8 mm] spacing between tread rails, allowing for easier installation, and roll-up, for cleaning purposes.
3. Poured abrasive insert shall be aluminum oxide grit, mixed with an epoxy filler.
Insert: **Choose 1 colour: [Black] [Grey] [Brown]**
4. Optional Frame: **Choose 1 frame: [MC - Standard recessed aluminum frame – for finished floor installations] [SM - Tapered Black vinyl surface frame - for surface-mount installations]**
5. Aluminum finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Black Anodized]**

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate for compliance with requirements for location, sizes, minimum recess depth, and other conditions affecting installation of floor mats and frames.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install entrance mats in accordance with manufacturer's recommendations and approved submittals, and in proper relationship with adjacent construction. Coordinate top of mat surfaces with bottom of doors that swing across mats to provide clearance between door and mat.

1. Set recessed frame in location, as required, and secure into concrete or apply caulking to adhere to the finished flooring.

3.3 PROTECTION

- A. After completing frame installation, provide temporary filler of plywood or fibreboard in recess and cover frames with plywood protective flooring. Maintain protection until construction traffic has ended and project is near time of substantial completion.
- B. Defer installation of floor mats until project is near substantial completion

END OF SECTION