

Part 1: GENERAL

1.1 SUMMARY

- A. This section includes:
 - 1. Entrance Floor Mats and framing assemblies
- B. Related Sections
 - 1. Section 03300 – Cast-In-Place Concrete: For concrete floor slab recess and 03600 "Grout" for cast-in-place and grouting of frames into recess
 - 2. Special requirement for various types of flooring, refer section 09400 "Terrazzo"

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM)
- B. National Fire Protection Agency (NFPA)
- C. The Aluminum Association Inc.
- D. The Carpet and Rug Institute (CRI)
- E. The National Floor Safety Institute (NFSI)
- F. ADA Accessibility Guidelines
- G. Surface Flammability of Carpets and Rugs

1.3 SUBMITTALS

- A. General: Submit the following in accordance with specification section 01300 and contract requirements.
- B. Product data of each type of floor mat and frame specified including manufacturer's specifications and installation instructions.
- C. Shop drawing showing traffic direction, dimensions, sectioning, insert types and colors, metal finish and framing.
- D. Submit an assembled section of floor mat and frame with selected tread insert showing each type of color for exposed floor mat, frame and accessories.
- E. Manufacturer's maintenance and cleaning instructions.

1.4 QUALITY ASSURANCE

- A. Slip Resistance: Coefficient of friction 0.60 or greater, in accordance with ASTM D2047 tested in wet condition
- B. Aluminum Components: Alloy 6063-T6
- C. Single Source Responsibility: Obtain floor mats and frames from one source and from a single manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the project site in unopened factory packing, labeled to identify product and manufacturer.

1.6 PROJECT CONDITIONS

- A. Field Measurements: Check actual openings of mats by actual field measurements before fabrication. Install frames to ensure dimensions provided in shop drawings. Finished recess must be flat and level. Defer frame installation until related interior finish works is in progress.

Part 2: PRODUCTS

2.1 MANUFACTURERS

- A. Supply entrance matting and frames as manufactured by Prospec Specialties Inc.
3601 Highway 7, Suite 400
Markham ON, L3R 0M3, Canada
www.prospecspecialties.com
- B. Other manufacturers must comply with the minimum levels of material and detailing indicated on drawings and specified herein.

2.2 MATERIALS

- A. Aluminum: ASTM B221, and 6063-T6 for extrusions.

2.3 ENTRANCE MATTING

- A. Model and Description: 'STREET KING' 1-13/20" (42mm) thick, open construction, alternating spring carpet wipers seated on heavy duty 6063-T6 Aluminum profiles. Units must withstand 1500 lbs, able to sustain 1000 passes without damage.
- B. Mat Insert: 100% polypropylene, UV resistant, Anti-static and Anti-microbial, heavy duty mono-tuft ribbed carpet. Carpet fibers include 100, 12 mil monofilament fibers per square inch and weight shall be 33-oz./yd². Each fiber yarn shall be fusion bonded with two ply rigid backing. Selection of insert color shall be from manufacturer's range. Call factory for special colors.

2.4 MAT FRAMES

- A. "WELCOME MAT-WELL" Extruded aluminum, ASTM B221, alloy 6063-T6, with butted corners. Recessed Extruded aluminum angle frame, ASTM B221, alloy 6063-T6, 1/8" (3mm) thick profile, 2-1/4" (57mm) overall depth with butted corners. Frame finish shall be supplied in silver anodized (standard) or custom colors upon request.

Part 3: EXECUTION

3.1 EXAMINATION

- A. Examine substrate and area where matting is to be installed. Do not proceed until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Manufacturer shall offer assistance and guidance to provide a template of irregular shaped mat assemblies to ensure a proper installation.

3.3 INSTALLATION

- A. Install mat in accordance with manufacturer's installation instructions. Mat-well opening must be flat, leveled and free from debris.

3.4 CLEANING

- A. It is important to the life cycle of the entrance mat that a maintenance schedule be developed which includes regular vacuuming, steam cleaning and extraction that correctly matches the amount of traffic the mat incurs.

3.5 PROTECTION

- A. Protect installed frames from damage by using temporary plywood filler in recess opening. Cover exposed frames with similar materials until construction traffic is minimized. Install matting when project is near substantial completion and no further wheeled traffic or major construction operations will affect matting.