

**Suggested Specification  
Section 124813  
Entrance Floor Mats and Frames**

**Part 1 General**

**1.02 References**

- A. American Society for Testing and Materials (ASTM)
- B. The Carpet and Rug Institute (CRI)
- C. The National Floor Safety Institute (NFSI)

**1.03 Submittals**

- A. General: Submit the following in accordance with conditions of contract and Division 1 specification section 013000.
- B. Product data for each type of floor mat/grid and frame specified including manufacturer's specifications and installation instructions.
- C. Shop drawings in sufficient detail showing layout of mat/grid and frame specified including details indicating construction relative to materials, direction of traffic and accessories.
- D. Maintenance data in the form of manufacturer's printed instructions for cleaning and maintaining floor mats/grids.

**Part 2 Products**

**2.01 Manufacturers**

- A. Drawings and specifications are based on manufacturer's literature from Construction Specialties, Inc., unless otherwise indicated.

**2.02 Materials**

- A. Aluminum - ASTM 221, alloys 6061-T5, 6063-T6, 6210-T5, and 6005-T5 for extrusions, sheet, or plate.
- B. Stainless Steel - - Type 304 Stainless Steel

**2.03 Floor Mats/Grids**

Product Designation

Common Mud Plate and Bond Breaker

Each Floorometry™ product includes a common mud plate and bond breaker. The aluminum mud plate attaches to the floor substrate with the manufacturer's recommended adhesive (by others). Integral to the mud plate is the bond breaker, preventing the flooring adhesive from bonding to the top surface of the product. The bond breaker also provides the base of the collection reservoir which contains all contaminants removed and collected from foot traffic. Top surface sections are removable, interchangeable, and can be quarter turned, utilizing common integral attachment clips allowing for periodic maintenance by vacuuming the reservoir or power washing the product. Each

mud plate comes with four alignment pins to ensure a proper and quick connection of the removable surface to the common base. Surface removal tools to be included.

#### **Manufacturer's Recommended Adhesives (supplied by others)**

All Floorometry products require the use of the following approved adhesives:

- A. Henry<sup>®</sup> 130 Thin Spread Floor Tile Adhesive - Note: Interior Only
- B. Laticrete Latapoxy<sup>®</sup> 300 Adhesive - Note: Interior or Exterior use

#### **Floorometry 401**

Mud plate and bond breaker as described above. Structural pan for top surface shall be manufactured from T-304 stainless steel (alternate 6061-T6-aluminum alloy). Structural pan to have drainage holes in line with drain pattern of top surface inserts. Inserts are varying thickness of hard surface materials as selected by architect. Pattern as indicated on drawings. If surrounding floor surface materials are specified, coordination between manufacturer and installer must take place to ensure product match. *Note: see manufacturer's literature for standard offerings and selections.* Product free area varies with exposed surface selection and insert sizes. Each module size is 18" x 18" [457.2 mm x 457.2 mm] Note: Product thickness varies with selected insert thickness. All products include a sub-structure of .090" [2.3 mm] thick perimeter S/S banding and S/S intermediate supports with a horizontal drain feature. All components tack welded. Product surface removable and replaceable. All modules packaged 3 per box for coverage: (6.75 sq ft [.6 sq M]). Module finish is mill. Weight is 22.7 lbs [10.3 kg] per module. (Box – 70 lbs [31.8 kg]).

*Specifier note: Floorometry tiles include stainless steel banded edges on all sides of each individual tile. Therefore, a standard perimeter frame is not required. The stainless steel banding will provide a smooth perimeter transition, and will protect the edges of both the Floorometry tile and the surrounding flooring. Trims from the manufacturer of the surrounding floor surface would be sufficient if desired.*

#### **Performance Data**

All Floorometry Products include the following performance characteristics:

- A. Certified by the NFSI as safe walking surface meets .6 wet SCOF
- B. 101, 201 & 301 provide a minimum 500 lb per wheel rolling load. 401 provides a minimum 250 lb per wheel rolling load (Surface material selection can improve capacity).
- C. Class I Fire Rated
- D. Considered permanent grille or grate as recommended in LEED IAQ Credit 5
- E. 101, 201, and 301 remove 98% of foot traffic contaminants within 18' of walking surface