

**Suggested Specification
Section 12480
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
- C. Architectural Bronze - ASTM B-455, copper/zinc alloy, C380 and C385 for extrusions, sheet or plate.

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. 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

All Floorometry products require the use of the following adhesives available from the manufacturer as part of the complete product:

- A. Henry[®] 130 Thin Spread Floor Tile Adhesive - Note: Interior Only
- B. Laticrete Latapoxy[®] 300 Adhesive - Note: Interior or Exterior use

Floorometry 301

Mud plate and bond breaker as described above. Top surface shall be manufactured from T-304 Stainless Steel (alternate 6061-T6 aluminum alloy). Inserts are 4 mm [.157"] materials, colors, and pattern as selected by architect and as indicated on drawings. *Note: see manufacturer's literature for standard offerings and selections.* Product free area is 14.2% for fall through potential. Each module size is 18" x 18" x 3/4" [457.2 mm x 457.2 mm x 19.6 mm]. 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 6 per box for coverage: (13.5 sq ft [1.25 sq M]). Module finish is mill. Options available. Weight is 14.4 lbs [6.5 kg] per module. (Box – 88 lbs [39.9 kg]).

Performance Data

All Floorometry Products include the following performance characteristics:

- A. Certified by the NFSI as safe walking surface meets .6 wet SCOF
- B. Provide a 500 lb per wheel rolling load
- 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

2.04 Frame Assemblies

All Floorometry products integrate easily with the surrounding floor finishes with the following frame options:

- A. Stainless Steel Angle Frame – 3/4" deep frame In T-304 stainless steel with 1/8" exposed surface. Available up to 1 3/8" depth for Floorometry 401 options.
- B. Pipe Stem Frame – 3/4" deep frame to transition to surrounding carpet floor coverings with 1/4" exposed surface.
- C. Tapered Aluminum Frame – 3/4" deep frame to transition to surrounding floor finishes with 1/8" exposed surface.