

**MASTER SPECIFICATION | SECTION 12484 FURNISHINGS – DEBRIS TRAP ENTRANCE SYSTEMS****PART 1 - GENERAL****1.01 SUMMARY**

- A. Section includes: [Entrance grid systems, including vinyl foot grids]
- B. Related Sections: Section(s) related to this section include:
  - 1. Section 03300 - Cast-In-Place Concrete.
  - 2. Section 08110 - Steel Doors and Frames.
  - 3. Section 08212 - Stile and Rail Wood Doors.
  - 4. Section 08710 - Door Hardware.

**1.02 REFERENCES**

- A. Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. The Standards listed here are identified with a designation number, title or other designation established by the issuing authority.
- B. DIN 51130 Slip Resistant R 13 Classification
- C. UL 94 Flammability Rating VO
- D. ASTM E648 / DIN 4102 / CP-SCFF1-70 Flooring Radiant Panel Test
- E. LEED v3 and LEED v4

**1.03 SYSTEM DESCRIPTION**

- A. Performance Requirements: Provide [Vinyl entrance grid system], which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

**1.04 SUBMITTALS**

- A. General: Submit listed submittals in accordance with the Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product data: Submit product data, including manufacturer's specification sheet and installation instructions for specified products. Include methods of installation and substrate preparation for each type of substrate.
- C. Sustainable Design Submittals: For projects requiring LEED submittal based on LEED v3
  - 1. Submit documentation substantiating that Debris Trap Matting products contain a minimum of 30% pre-consumer recycled content and therefore contributes to Materials & Resources Credit 4.
  - 2. Submit documentation substantiating that the project has permanently installed Debris Trap Matting is at least ten feet in length and therefore contributes to Indoor Environmental Quality Credit 5.

- D. Sustainable Design Submittals: For projects requiring LEED submittal based on LEED v4
  - 1. Submit documentation substantiating that Debris Trap Matting contain a minimum of 30% pre-consumer recycled content and therefore contributes to Materials & Resources Sourcing of Raw Materials Credit.
  - 2. Submit documentation substantiating that the project has permanent entryway system at least 10 feet in length that is maintained on a weekly basis and therefore contributes to Indoor Environmental Quality Enhanced Indoor Air Quality Strategies Credit.
- E. Shop drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns and textures.
- F. Samples: Submit samples for each type and color of exposed entrance mat, frames and accessories required. Provide samples of mat materials.
- G. Quality Assurance Submittals: (1) Certified test reports showing compliance with specified performance characteristics and physical properties, and (2) Manufacturer's Installation Instructions.
- H. Closeout Submittals: (1) Cleaning & Maintenance Data (Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance), and (2) Warranty.

## **1.05 QUALITY ASSURANCE**

- A. Installer: Installer should be highly experienced in performing work of this section, having previously done work similar to that required for this project.

## **1.06 SEQUENCING/SCHEDULING**

- A. Ordering: Comply with Manufacturer's ordering instructions and lead-time requirements to avoid construction delays.
- B. Delivery: Deliver materials in Manufacturer's original, unopened, undamaged packaging.
- C. Storage: Store materials at temperature and in humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.
- D. Installation: Except as otherwise indicated herein, sequencing or scheduling for performance of work of this section in relation with other work is Contractor's option. Delay installation of grids until near time of substantial completion for the project.

## **1.07 PROJECT CONDITIONS**

- A. Temperature: Maintain temperature where products will be installed before, during and after installation as recommended by Manufacturer.
- B. Field Measurements: Where possible, verify actual measurements by field measuring before fabrication and include measurements in shop drawings. To avoid construction delays, coordinate field measurements and fabrication schedule based upon construction progress.

## PART 2 - PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURER

- A. Provide Debris Trap Matting by Edgewood Matting Ltd, 18120 - 109 Edmonton, Alberta T5L 2K2  
1.780.466.2084 [www.edgewoodgroup.ca](http://www.edgewoodgroup.ca)

### 2.02 MATERIALS

- A. Vinyl Foot Grille: Constructed from 30 percent pre-consumer recycled polyvinyl chloride (PVC. Injected Molded modular tiles in a non-hinged, grille design with an embossed non-skid surface, (non-embossed surfaces not acceptable) to sizes indicated with the following characteristics:
1. Debris Trap: Injection Molded PVC Grid, [gray] or [charcoal] color.
- B. Insert options for Debris Trap Matting:
1. Debris Trap Brush: High resistant PVC with nylon brushes. [Black]
  2. Debris Trap Tundra: Tufted polypropylene grass on perforated latex backing. [Charcoal] [Chocolate] [Grey]
  3. Debris Trap Extreme: 3M™ Heavy Traffic Carpet Matting 8850. Construction: Large diameter polypropylene, small diameter nylon with Flexion vinyl backing. [Black] [Brown] [Blue] [Grey]
  4. Debris Trap Everest: 100% Asota® solution-dyed UV stabilized polypropylene fibers on EM rubber backing. Permanent or rip n replace available. [Charcoal] [Bronze] [Beige] [Grey]
  5. Debris Trap Supreme: 100% Asota® solution-dyed UV stabilized polypropylene fibers on EM rubber backing. Permanent of rip n replace available. [20 standard and 14 logo colours to choose from]
- C. Framing and Nosing Accessories for Vinyl Foot Grille
1. Recessed Application: Debris Trap: use “L” or “J” frame, mill finish aluminum
  2. Surface Mounted Application: Debris Trap with beveled, heavy-duty aluminum or Extruded PVC ramp edging.
- D. Product Testing for Vinyl Foot Grid
1. DIN 51130 Slip Resistant R 13 Classification.
  2. UL 94 Flammability Rating VO
  3. ASTM E648 / DIN 4102 / CP-SCFF1-70 Flooring Radiant Panel Test
  4. LEED v3
    - a. IEQ Credit 5: Debris Trap is designed for permanent installation.
    - b. MR Credit 4: 30 % pre-consumer
  5. LEED v4
    - a. Indoor Environmental Quality Enhanced Indoor Air Quality Strategies Credit - Debris Trap is designed for permanent installation.
    - b. Materials & Resources Sourcing of Raw Materials Credit - 30 % pre- consumer

### 2.03 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

## PART 3 – EXECUTION

### **3.01 SUBSTRATE PREPARATION**

- A. Examine substrates and conditions where floor grids will be installed. Do not proceed with installation until unsatisfactory conditions are corrected. Sub floor shall be clean and dry, and within acceptable tolerances.

### **3.02 INSTALLATION**

- A. Sizes: Where not indicated otherwise, provide single unit for each mat installation, but do not exceed manufacturer's maximum size recommendation for units intended for removal and cleaning. Where possible, verify sizes by field measurement before shop fabrication.
- B. Accessories: [Where indicated for recessed or wall-to-wall installations, provide aluminum framework as recommended by manufacturer.] [Where indicated for surface mount installations, provide solid aluminum or Extruded PVC ramp framing to be mechanically fastened to the finished floor]
- C. General: Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent tripping hazards.

### **3.03 CLEANING AND PROTECTION**

- A. General Cleaning: Refer to Manufacturer's Cleaning and Maintenance Instructions.
- B. Owner's Personnel: Instruct Owner's personnel in proper maintenance procedures.
- C. Protection: Protect installed product and finish surfaces from damage during construction and until acceptance.

### **END OF SECTION**

© 2017 Edgewood. All Rights Reserved. A copyright license to reproduce this specification is hereby granted to non-manufacturing architects, specification writers, and designers.