

MASTER SPECIFICATION

SECTION 12484 FURNISHINGS – FOOT GRILLE ENTRANCE SYSTEMS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes: [Entrance matting 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. American Society for Testing and Materials (ASTM):
 - 1. ASTM C1028 Static Coefficient of Friction
 - 2. ASTM E648 Critical Radiant Flux
- C. LEED-NC version 3

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide [vinyl foot grid entrance floor mat 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.

1. Sustainable Design Submittals: For projects requiring LEED submittal based on LEED-NC version 3 Submit documentation substantiating that Gateway Plus with Gray base contains a minimum of 27.52% pre-consumer and a minimum of 1.4% post-consumer recycled content. Gateway Plus Black Base contains a minimum of 86% pre-consumer and a minimum of 1.4% post-consumer recycled content and therefore contributes to Materials & Resources Credit 4.
 2. Submit documentation substantiating that the project is located within 500 miles of the manufacturing facility and therefore contributes to Materials & Resources Credit 5.
 3. Submit documentation substantiating that the project has permanently installed Gateway Plus is at least ten feet in length and therefore contributes to Indoor Environmental Quality Credit 5.
- C. Shop drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors, patterns and textures.
- D. Samples: Submit samples for each type and color of exposed entrance mat, frames and accessories required. Provide samples of mat materials.
- E. Quality Assurance Submittals: (1) Certified test reports showing compliance with specified performance characteristics and physical properties, and (2) Manufacturer's Installation Instructions.
- F. 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 mats 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. Note Gateway Plus can be field trimmed on site.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. Provide Gateway Plus by **GO Resilient Canada**, 3250 Harvester Road, Unit 3, Burlington, Ontario, L7N 3W9. 1.866.819.6825 www.goresilient.ca

2.02 MATERIALS

- A. Vinyl Foot Grille: Constructed from 30 percent post-industrial recycled polyvinyl chloride (PVC) if gray or other colors, and up to 100 percent post-industrial recycled PVC if black. Welded 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. **Gateway Plus:** Extruded PVC Grid, [gray] [black] color, with 100% polyamide nylon BCF carpet fibre inserts in (select) [charcoal][grey][brown] color. (Note to specifier: other colors available, including custom colors. Minimums may apply.)
- B. Framing and Nosing Accessories for Vinyl Foot Grille
 - 1. **Recessed Application:** Gateway10 Plus: use "J" frame, mill finish aluminum, or "R" frame.
 - 2. **Surface Mounted Application:** Gateway10 Plus with beveled, heavy-duty aluminum ramp edging.
- C. Product Testing for Vinyl Foot Grid
 - 1. ASTM C1028 Static Coefficient of Friction: Wet 1.01; Dry 0.97
 - 2. ASTM E648 Critical Radiant Flux: Class 1
 - 3. LEED-NC version 3
 - a. IEQ Credit 5: Gateway Plus is designed for permanent installation.
 - b. MR Credit 4: Black – 86% pre-consumer and 1.4% post-consumer recycled; Gray – 27.52% pre-consumer and 1.4% post-consumer recycled

- c. MR Credit 5: Material must be manufactured within 500 miles of the project location.

2.03 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

PART 3 – EXECUTION

3.01 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where floor mats 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: Shop-fabricate units of floor mat to greatest extent possible in sizes as indicated. 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 joints in mats are necessary, space symmetrically and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints. 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 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 final acceptance.

END OF SECTION

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