**Specifications | Section 124813**

**Ronick Entrance Floor Mats and Frames: Perfec Grate**

**Note: After downloading this spec, the Specifier must choose the correct finish, insert type, and frame**

**options and delete all other options to produce an accurate specification.**

# PART 1 GENERAL

* 1. SECTION INCLUDES
     1. Walk-off grates.

# RELATED SECTIONS

* + 1. Section 03300 – Concrete; requirements for recessed mats and grates.
    2. Section 03600 – Grout; requirements for grouting frames into recess.

# REFERENCES

* + 1. American National Standards Institute (ANSI): ANSI 117.1 - Standard for Accessible and Usable Buildings and Facilities.

# PERFORMANCE REQUIREMENTS

\*\* NOTE TO SPECIFIER \*\* Edit accessibility requirements paragraph below to meet project requirements. Note that sound gasketing and threshold design required to achieve acoustical performance may require opening and closing forces in excess of that allowed under accessibility requirements. Consult manufacturer and requirements of authorities having jurisdiction.

* + 1. Compliance with Accessibility Requirements:

\*\* NOTE TO SPECIFIER \*\* Insert local requirements in blank below or delete line as applicable. Delete

compliance standards listed below not required for project.

1.

2. Accessibility Guidelines for Buildings and Facilities (ADAAG). 3. ANSI A117.1.

# SUBMITTALS

* + 1. Submit under provisions of Section 01300.
    2. Product Data: Manufacturer's data sheets on each product to be used, including:
       1. Preparation instructions and recommendations.
       2. Maintenance instructions and recommendations.

# QUALITY ASSURANCE

* + 1. Manufacturer Qualifications: The manufacturer of products specified herein shall have a minimum 5 years of experience in the fabrication and installation of similar products.
    2. Installer Qualifications: The installer shall have a minimum 2 years of experience in the installation of products similar to those specified herein.

# DELIVERY, STORAGE, AND HANDLING

* + 1. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations.
    2. Store materials within absolute limits for temperature and humidity recommended by manufacturer. Protect from damage.

# PROJECT CONDITIONS

* + 1. Environmental Limitations: Do not deliver or install products until spaces are enclosed and weather tight, wet work in spaces is complete and dry, HVAC system is operating and maintaining ambient temperature at occupancy levels during the remainder of the construction period.
    2. Field Measurements: Verify field measurements as indicated on Shop Drawings. Where measurements are not possible, provide control dimensions and templates.
       1. Coordinate installation and location of depressed slabs and supports as required.
       2. Verify openings, clearances, and other dimensions relevant to the installation and final application.

# WARRANTY

* + 1. Provide manufacturer's standard limited two-year warranty for products. PART 2 PRODUCTS

# MANUFACTURERS

# Drawings and specifications are based on literature provided by Ronick Matting Systems, Inc. unless otherwise indicated. Other manufacturers must comply with the minimum levels of material and detailing indicated on the drawings and specified herein.

# WALK-OFF GRATES

* + 1. Perfec Grate:
       1. Product: Perfec Grate – Heavy Application as manufactured by Ronick Matting Systems, Inc.
       2. Application: Recessed applied.

\*\* NOTE TO SPECIFIER \*\* Delete frame not required.

* + - * 1. Frame 420: L & P aluminum recessed. 1-3/4 inches (44.5 mm) frame depth with

1/2 inch (13 mm) exposed perimeter frame edge.

* + - * 1. Frame 420x422x423: thin slab. 2-23/32 inches (69.1 mm) frame depth with pan and cross supports below treads. 1/2 inch (13 mm) exposed perimeter frame edge.
        2. Frame 421: L & P deep pit frame with or without pan. 3-5/32 inches (80.2 mm) depth.
        3. Frame 421x422x423: thin slab. 4-1/8 inches (105 mm) frame depth with pan and cross supports below treads. 1/2 inch (13 mm) exposed perimeter frame edge.
        4. Frame 424: Aluminum recessed angle frame. 1-3/4 inches (44.5 mm) frame depth with 1/8 inch (3 mm) exposed perimeter frame edge
      1. Tread: Tread rails shall be 6063-T52 aluminum spaced 1-1/2 inches (38 mm) on center and secured with keylock bars on 6 inches (152 mm) centers, both mechanically locked and welded in place for maximum strength. 400 lbs/wheel rolling load weight capacity.

\*\* NOTE TO SPECIFIER \*\* Delete tread not required.

* + - * 1. Tread #456; Serrated Aluminum.
        2. Tread #470: Nylon Carpet.
        3. Tread #471: Diamond Peak Vinyl.
        4. Tread #477: Polypropylene Brush.
        5. Tread VariStrip: Alternating serrated aluminum or diamond peak vinyl and carpet

or polypropylene tread.

*NOTE- Reese Perfec VariStrip Grates help keep buildings clean in a 2-step process. The alternating serrated aluminum tread or diamond peak vinyl removes caked on mud and grime from foot traffic. Alternating carpet or brush treads absorb moisture.*

*Result: The VariStrip system both cleans and dries as foot traffic passes over the grate. Mud and dirt drop to the bottom of the grates- collect in a confined, local area. Maintenance personnel simply lift the grate and clean. Delete if not required.*

# INSERT COLORS

\*\* NOTE TO SPECIFIER \*\* Delete tread insert type and color not required.

* + 1. Carpet Inserts:
       1. Color: Charcoal.
       2. Color: Black.
       3. Color: Midnight
       4. Color: Espresso.
       5. Color: Java.
       6. Color: Hunter.
       7. Color: Mauve.
       8. Color: Black Cherry.
    2. Polypropylene Brush Inserts:
       1. Color: Gray.
       2. Color: Jet Black.
       3. Color: Brown.
    3. Diamond Peak Vinyl Inserts:
       1. Color: Gray.
       2. Color: Black.
       3. Color: Blue.
       4. Color: Beige.
       5. Color: Brown.
    4. Serrated Aluminum Inserts:
       1. Color: Mill Aluminum
       2. Color: Clear Anodized.
       3. Color: Black Anodized.
       4. Color: Dark Bronze Anodized.
       5. Color: Gold Anodized.

# RAILS AND FRAMES COLORS

* + 1. Rails and Frames Colors:
       1. Color: Mill Aluminum.
       2. Color: Clear Anodized.
       3. Color: Black Anodized.
       4. Color: Dark Bronze Anodized.
       5. Color: Gold Anodized. PART 3 EXECUTION

# EXAMINATION AND PREPARATION

* + 1. Verify that field measurements, surfaces, substrates, and conditions are as required, and ready to receive Work.
    2. Prepare substrates using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
    3. Do not proceed with installation until substrates have been properly prepared and deviations from manufacturer’s recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
    4. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer’s recommended installation tolerances and conditions

# INSTALLATION

* + 1. Install units plumb, square, in proper alignment with adjacent construction and secured to substrate, within manufacturer's recommended tolerances. Comply with manufacturer's installation instructions and approved submittals.

# ADJUSTING

* + 1. Prior to installation, adjust components to within tolerances recommended by manufacturer.

# CLEANING AND PROTECTION

* + 1. Clean exposed surfaces. Touch up, refinish, or replace damaged components in a manner acceptable to Architect.
    2. Protect installed products until completion of project.
    3. Repair or replace defective work as directed by Architect upon inspection.

END OF SECTION