

Suggested Specification
SECTION 12 48 13
Pawling Pro-Tek® Model RG-700

PART 1 GENERAL

1.01 SUMMARY

- A. This section includes the following flooring systems:
 - 1. Entrance Floor Mats and Frames
- B. Related Sections
 - 1. Section 03 30 00 - Cast-In-Place Concrete
 - 2. Section 03 62 00 - Grouting

1.02 REFERENCES

- A. Abbreviations and Acronyms
 - 1. American Society for Testing and Materials (ASTM)
 - 2. American National Standards Institute (ANSI)

1.03 SUBMITTALS

- A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures".
- B. Product Data:
 - 1. Data sheet illustrating product dimensions, options, and related components.
 - 2. Installation instructions.
- C. Samples for verification of design suitability, finish, and accessory attachment.
 - 1. Sample of assembled grating sufficient in size to show method of fabrication and spacing of wires on support rods.
 - 2. Sample of perimeter frame proportionate to grille sample

1.04 QUALITY ASSURANCE

- A. Manufacturer to have no less than 5 years experience in the production of entrance flooring products having successful in-service performance.
- B. Obtain grating, perimeter framing, and installation hardware from a single manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Storage: Store flooring products in original packaging. Protect from weather, extreme temperatures, and moisture.
 - 1. Maintain temperature during storage between 40°- 100°F (4°- 38°C).
 - 2. Store materials flat to prevent twisting or warping.
- B. Handling: Take adequate measure to prevent damage to materials.

1.06 SITE CONDITIONS

- A. Ambient Conditions: Do not install wall protection products until installation areas are enclosed and weatherproof. HVAC system must be operational and maintaining temperature at 65°-75°F (18°-24°C) for at least 72 hours prior to installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Pawling Corporation
Architectural Products
32 Nelson Hill Rd
Wassaic, NY 12592
Tel: 800-431-3456
www.pawling.com

2.02 DESCRIPTION

- A. Model RG-700, 7/16" (11) deep, stainless steel Drain-Well[®] grating system, consisting of .090" (2.28) x .138" (3.5) V-Wires resistance welded to .074" (1.9) x .380" (9.7) support bars. Wires shall be spaced .145" (3.68) apart providing 62% open area for air flow and capture of debris. Support bars shall be spaced at 1" (25.4) centers.

2.03 MATERIALS

- A. V-Wires: Satin finish, type 304 stainless steel. Type 316L stainless steel is available.
- B. Support Bars: Mill finish type 304 stainless steel. Type 316L stainless steel is available.

2.04 ACCESSORIES

- A. Installation Hardware
 - a. Hidden Hold-Down (HHD) mechanical fastening system consisting of type 301 stainless steel hold-down clips with masonry anchor, fiber washer, and machine screw. Clips shall not interfere with walking surface and V-Wires.
 - b. Exposed Hold-Down (EHD) mechanical fastening system consisting of type 304 stainless steel anchor plates with masonry anchor, and machine screw. Anchor plates shall be welded between support bars at factory designated locations to provide exposed countersunk hole for securing to substrate.
- B. Perimeter Framing
 - 1. Model RGFA-700, alloy 6063-T5 extruded aluminum frame with 1/8" (3.2) exposed surface for cast-in-place installation. Available in mill or 201-R1 clear anodized finish. Frame includes mounting anchors and 90° corner connectors.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine recess for flatness. Substrate must be level within 1/8" (3.2) over 120" (3048). Do not proceed until unsatisfactory conditions are corrected.
- B. Verify that HVAC is operating and installation area temperature has been maintained between 65°-75°F (18°-24°C) for at least 72 hours prior to installation.
- C. Do not proceed until unsatisfactory conditions are corrected.

3.02 PREPARATION

- A. Surface Preparation: Clean substrate to remove dust and debris.

3.03 INSTALLATION

- A. Install gratings and frames in accordance with manufacturer's installation instructions.
- B. Install perimeter framing in coordination with masonry work and installation of adjacent flooring. Provide temporary materials to fill recess and protect frame from damage until construction traffic is minimized.
- C. Defer installation of gratings until substantial completion of project.
- D. Acclimate materials to building conditions for at least 24 hours prior to installation.
- E. Coordinate finished height of grating with surrounding floor surfaces. Provide adequate clearance for swinging doors.

3.04 PROTECTION

- A. Protect installed grating and frame from damage by other trades. Use materials that will not mark, stain, or leave residue on the product.