

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Resilient base.
2. Resilient molding accessories.
3. Rubber stair accessories

B. Related Sections:

1. Division 01 Section “Sustainable Design Requirements.”
2. Division 09 Section "Resilient Tile Flooring” for resilient flooring and flooring preparation requirements.
3. Division 09 Section “Tile Carpeting.”

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

- B. CTHPB Documentation Submittals: Comply with Division 01 Section “Sustainable Design Requirements” and provide the following in addition to other action submittals:

1. Product Data for Credit 5d: For adhesives and sealants, documentation including printed statement of VOC content.
2. Product Data for Credit 5d: For resilient tile flooring, documentation from an independent testing agency indicating compliance with the FloorScore standard.
3. Product Data for Credit d8: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
4. Product Certificates for Credit d10: For products and materials required to comply with requirements for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.

- C. Samples for Initial Selection: For each type of product indicated.

- D. Samples for Verification: For each type of product indicated, in manufacturer's standard-size Samples but not less than 12 inches long, of each resilient product color, texture, and pattern required

**1.4 QUALITY ASSURANCE**

- A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
  - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.
- B. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." Review methods and procedures related to flooring installation including, but not limited to, the following:
  - 1. Review substrate conditions, moisture and pH test results, manufacturer's installation instructions, and warranty requirements.
  - 2. Document proceedings, including required corrective measures.

**1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

**1.6 PROJECT CONDITIONS**

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following time periods:
  - 1. 48 hours before installation.
  - 2. During installation.
  - 3. 48 hours after installation.
- B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

**1.7 EXTRA MATERIALS**

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Furnish not less than 10 percent (50 linear feet for every 500 linear feet) or fraction thereof, of each type, color, pattern, and size of resilient product installed.

**1.8 WARRANTY**

- A. General Warranty: Special warranties specified in this Section shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Limited Warranty: Written warranty, signed by manufacturer agreeing to repair or replace resilient flooring, installed according to manufacturer's written recommendations, that fails in performance, materials, or workmanship within specified warranty period.
  - 1. Warranty Period: One year from date of Substantial Completion.
- C. Material Only Warranty: Additional written wear warranty, signed by manufacturer agreeing to repair or replace resilient flooring that fails in performance, materials, or workmanship within specified warranty period.

**PART 2 - PRODUCTS**

**2.1 RESILIENT BASE**

- A. Product Standard: ASTM F 1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite or a comparable product
  - 2. Style: Cove (base with toe).
  - 3. Minimum Thickness: 0.125 inch.
  - 4. Height: 4 inches, typical.
  - 5. Lengths: Coils in manufacturer's standard length.
  - 6. Inside and Outside Corners: Job formed, field cut mitered.
  - 7. Colors: As indicated on Finish Legend.

**2.2 RESILIENT MOLDING ACCESSORY**

- A. Resilient Molding Accessory:
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Mannington.
    - b. Roppe Corporation.
    - c. Tarkett.
  - 2. Material: Rubber
  - 3. Provide manufacturer's standard reducer strip for the following conditions:

- a. Resilient to resilient.
  - b. Resilient to concrete.
  - c. Resilient to carpet.
4. Colors: As selected by Architect from full range of industry colors.

### 2.3 RUBBER STAIR ACCESSORIES

- a. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
- b. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.
- c. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite or a comparable product
- d. Stair Treads: ASTM F 2169.
  - Type: TS (rubber, vulcanized thermoset)
  - Class: 1 (smooth, flat)
  - Group: 1 (embedded abrasive strips)
  - Nosing Style: Square, adjustable to cover angles between 60 and 90 degrees
  - Nosing Height: 1-1/2 inches (38 mm)
  - Thickness: 1/4 inch (6 mm) and tapered to back edge
  - Size: Lengths and depths to fit each stair tread in one piece or, for treads exceeding maximum lengths manufactured, in equal-length units.
  - Integral Risers: Smooth, flat; in height that fully covers substrate.
- e. Separate Risers: Smooth, flat; in height that fully covers substrate; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.
- f. Style: Coved toe, 7 inches (178 mm) high by length matching treads
- g. Thickness: Manufacturer's standard
- h. Landing Tile: Matching treads; produced by same manufacturer as treads and recommended by manufacturer for installation with treads
- i. Locations: Provide rubber stair accessories in areas indicated
- j. Colors and Patterns: As indicated by manufacturer's designations

### 2.4 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.

1. Adhesives shall comply with the following limits for VOC content:
  - a. Rubber Adhesives: 60 g/L or less.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

#### **3.2 PREPARATION**

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Comply with floor preparation and underlayment requirements in Division 09 Section "Resilient Tile Flooring."
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install resilient products until they are same temperature as the space where they are to be installed.
  1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
- E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

#### **3.3 RESILIENT BASE INSTALLATION**

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

- C. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. Job-Formed Corners:
  - 1. Outside Corners: Use straight pieces of maximum lengths possible. Form without producing discoloration (whitening) at bends.
  - 2. Inside Corners: Use straight pieces of maximum lengths possible.

### 3.4 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of resilient floor covering that would otherwise be exposed.

### 3.5 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.
- B. Perform the following operations immediately after completing resilient product installation:
  - 1. Remove adhesive and other blemishes from exposed surfaces.
  - 2. Sweep and vacuum surfaces thoroughly.
  - 3. Damp-mop surfaces to remove marks and soil.
- C. Protect resilient products from marks, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products until Substantial Completion.

END OF SECTION 096513