

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Resilient base.
 - 2. Resilient molding accessories.
 - 3. Subfloor leveler system.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product specified.
- B. Sustainable Design Submittals:
 - 1. Laboratory Test Reports: For resilient base, accessories, and adhesives, indicating compliance with requirements for low-emitting materials.
 - 2. Environmental Product Declaration: For each product.
 - 3. Health Product Declaration: For each product.
- C. Samples for Initial Selection: For each type of product indicated.
- D. Samples for Verification: For each type of product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.
- E. Product Schedule: For resilient base and accessory products. Use same designations indicated on Drawings.

1.3 MAINTENANCE MATERIAL SUBMITTALS

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

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in installing resilient products similar to those required for this Project and with a record of successful in-service performance.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to Project site in manufacturer's original, unopened cartons and containers, each bearing names of product and manufacturer, Project identification, and shipping and handling instructions.
- B. 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.
- C. Move products into spaces where they will be installed at least 48 hours before installation, unless longer conditioning period is recommended in writing by manufacturer.

1.6 FIELD 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 periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and 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.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain each type and color of product specified from one source with resources to provide products of consistent quality in appearance and physical properties without delaying the Work.

2.2 PERFORMANCE REQUIREMENTS

- A. Verify products comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.3 THERMOSET RESILIENT BASE

A. Resilient Base:

1. Basis-of-Design Product: Subject to compliance with requirements, provide products indicated on Drawings, or comparable products by one of the following:
 - a. Flexco; Roppe Holding Company.
 - b. Johnsonite; a Tarkett company.
 - c. Nora by Interface.
 - d. Roppe Corporation; Roppe Holding Company.

B. Product Standard: ASTM F1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).

1. Style and Location:
 - a. Style B, Cove: Provide in areas with resilient floor coverings.

C. Thickness: 0.125 inch.

D. Height: 4 inches.

E. Lengths: Coils in manufacturer's standard length.

F. Outside Corners: Job formed or preformed.

G. Inside Corners: Job formed or preformed.

H. Colors and Patterns: As indicated on Drawings, or if not indicated, as selected by Architect from manufacturer's full range.

2.4 RESILIENT MOLDING ACCESSORY

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Burke Flooring Products, part of Mannington Commercial.
2. Flexco; Roppe Holding Company.
3. Johnsonite; a Tarkett company.
4. Nora by Interface.
5. Roppe Corporation; Roppe Holding Company.
6. VPI Corporation.

B. Description: Provide the following types of resilient edge molding accessories at edges of and joints between floor coverings:

1. Reducer strip for resilient floor covering.
2. Transition strips.

- C. Material: Rubber.
- D. Profile and Dimensions:
 - 1. Tapered or bullnose edge.
 - 2. Minimum nominal thickness: 1/8-inch.
 - 3. Width: 1-inch.
- E. Colors and Patterns: As indicated on Drawings, or if not indicated, as selected by Architect from manufacturer's full range.

2.5 SUBFLOOR LEVELER SYSTEM

- A. Available Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Flexco; Subfloor Leveler.
 - 2. Johnsonite: Subfloor Leveler System.
- B. Resilient leveler strip and extensions fabricated of resilient material suitable for high-traffic applications, extruded to provide smooth transitions between uneven subfloors, prescored at common transition depths for ease of on-site trimming.
 - 1. Provide subfloor lever systems complying with requirements of the USDOJ's "2010 ADA Standards for Accessible Design", ICC A117.1, the Illinois Accessibility Code, and requirements of authorities having jurisdiction.
 - 2. Critical Radiant Flux Classifications, ASTM E648: Class I, not less than 0.45 W/sq cm.
- C. Subfloor Leveler System Adhesive: Two-part, solvent-free polyurethane adhesive, designed for high strength, recommended by manufacturer to suit floor tile and substrate conditions indicated.

2.6 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.
 - 1. Verify adhesive complies with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

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.
 - 1. 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.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. 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.
- C. 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.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

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. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient wall base with manufacturer's recommended adhesive filler material.
- G. Corners: Either preformed or job-formed corners, as follows:
 - 1. Preformed Corners: Install preformed corners before installing straight pieces.
 - 2. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Form without producing discoloration (whitening) at bends.
 - 3. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Miter or cope corners to minimize open joints.

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 carpet and resilient floor covering that would otherwise be exposed, and joiner moldings between dissimilar flooring materials.
- C. Subfloor Leveler System: Securely adhere subfloor leveler system to substrates utilizing manufacturer's recommended two-part polyurethane adhesive. Roll subfloor leveler system with 100-pound 3-section roller after installation, to ensure proper bonding to substrate.

3.5 CLEANING AND PROTECTING

- 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. Clean surfaces to remove marks and soil.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.
 - 1. Include nonstaining construction-grade natural kraft paper secured with non-tacky blue floor tape, and in areas affected by rolling traffic, moving objects, or stored materials, include hardboard-panel protection.

END OF SECTION 096513