SECTION 09 65 00
RESILIENT FLOORING AND BASE

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Vinyl composition floor tile.
   2. Resilient base and accessories.

1.02 SUBMITTALS

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

B. Samples for Verification: In manufacturer's standard size, but not less than 6-by-9-inch sections of each different color and pattern of floor covering required.
   1. Tiles: Full-size tile of each different color and pattern.
   2. Resilient Base and Accessories: 12 inch long sample, each type and color.

C. Maintenance Data: For each type of floor covering to include in maintenance manuals, per Section 01 77 00 Closeout Procedures.

1.03 DELIVERY, STORAGE, AND HANDLING

A. Store resilient flooring 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. Floor Tile: Store on flat surfaces.

1.04 PROJECT CONDITIONS

A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 85 deg F Insert temperature, in spaces to receive floor coverings during the following time periods:
   1. 48 hours before installation.
   2. During installation.
   3. 48 hours after installation.

1.05 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. Floor Tile: Furnish 1 box.

PART 2 - PRODUCTS

2.01 VINYL COMPOSITION FLOOR TILE

A. Product: Armstrong; Excelon Imperial Texture Classics, color 51901 Taupe; 1/8 inch thick.

2.02 RESILIENT BASE

A. Product: Johnsonite; cove base, color 80 Fawn.
   1. Minimum Thickness: 0.125 inch.
   2. Height: 4 inches.
   3. Lengths: Coils in manufacturer's standard length.
   4. Corners: Preformed.
   5. Finish: Satin.

2.03 MISCELLANEOUS ACCESSORIES

A. Resilient Edge Reducer: Johnsonite; CTA-XX-D, color 80 Fawn.

2.04 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 flooring and substrate conditions indicated.
   1. Use adhesives that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
      a. Vinyl Composition Floor Tile Adhesives: Not more than 50 g/L.
      b. Cove Base Adhesives: Not more than 50 g/L.

C. Cleaners and Strippers: As recommended by resilient flooring manufacturer.

D. Floor Polish for Vinyl Composition Tile: Commercial grade, metal cross-linked acrylic floor polish acceptable to resilient flooring manufacturer. Coordinate selection of floor polish with Owner's maintenance personnel.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Concrete Substrates: Examine and prepare according to ASTM F 710.

C. Moisture Testing: Perform tests recommended by manufacturer and as follows. Proceed with installation only after substrates pass testing.

1. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.

D. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.

E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient flooring.

B. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.

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 flooring until it is same temperature as space where they are to be installed.
1. Move resilient flooring 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 flooring immediately before installation.

3.03 RESILIENT FLOORING INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient flooring.

B. Scribe and cut resilient flooring to butt neatly and tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, and door frames.

C. Extend resilient flooring into toe spaces, door reveals, closets, recesses and similar openings.

D. Adhere resilient flooring to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

E. Where resilient flooring meets a thicker floor finish, such as ceramic tile, use leveling compound to build up subfloor in uniform, gentle slope so that resilient flooring is flush with surface of adjacent finish flooring. Taper leveling compound away from joint for a distance of at least 30 inches so slope is almost imperceptible; do not exceed 2 percent (1:50) slope.

3.04 FLOOR TILE INSTALLATION

A. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
   1. Lay tiles parallel with principal wall direction unless a different pattern or alignment is indicated on Drawings.

3.05 RESILIENT BASE INSTALLATION

A. Unroll base and allow to relax 24 hours before installing.

B. Install resilient base after installation of carpet and resilient flooring, so base covers edge of flooring. Remove and reinstall base installed prior to flooring.

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. Immediately clean excess adhesive.

E. Do not stretch resilient base during installation.

F. Preformed Corners: Install preformed corners before installing straight pieces.

3.06 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient flooring.

B. Floor Polish: Remove soil, visible adhesive, and surface blemishes from resilient flooring before applying liquid floor polish. Apply three coats to vinyl composition tile.

END OF SECTION 09 65 00