

SECTION 09 65 19 - RESILIENT FLOOR TILE AND BASE**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Resilient Luxury Vinyl Tile (LVT)
 - 3. Resilient wall base and accessories

1.3 SUBMITTALS

- A. Product data for each type of product specified.
- B. Samples for initial selection purposes in form of manufacturer's color charts consisting of actual tiles or sections of tiles showing full range of colors and patterns available for each type of resilient floor tile indicated.
- C. Maintenance data for resilient floor tile.

1.4 QUALITY ASSURANCE

- A. Single-Source Responsibility for Floor Tile: Obtain each type, color, and pattern of tile from a single source with resources to provide products of consistent quality in appearance and physical properties without delaying progress of the Work.
- B. Fire Performance Characteristics: Provide resilient floor tile with the following fire performance characteristics as determined by testing products per ASTM test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Critical Radiant Flux: 0.45 watts per sq cm or more per ASTM E 648.
- C. Provide only products that are slip resistant, stable, and firm to comply with current Florida Building Code for Accessibility.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver tiles and installation accessories to Project site in original manufacturer's unopened cartons and containers each bearing names of product and manufacturer, Project identification, and shipping and handling instructions.
- B. Store flooring materials in dry spaces protected from the weather with ambient temperatures maintained between 50 deg F and 90 deg F.
- C. Store tiles on flat surfaces. Move tiles and installation accessories into spaces where they will be installed at least 48 hours in advance of installation.

1.6 PROJECT CONDITIONS

- A. Maintain a minimum temperature of 70 deg F in spaces to receive tiles for at least 48 hours prior to installation, during installation, and for not less than 48 hours after installation. After this period, maintain a temperature of not less than 55 deg F.
- B. Do not install tiles until they are at the same temperature as the space where they are to be installed.
- C. Close spaces to traffic during tile installation.

1.7 SEQUENCING AND SCHEDULING

- A. Install tiles and accessories after other finishing operations, including painting, have been completed.
- B. Do not install tiles over concrete slabs until the slabs have cured and are sufficiently dry to bond with adhesive as determined by tile manufacturer's recommended bond and moisture test.

1.8 EXTRA MATERIALS

- A. Deliver extra materials to Owner. Furnish extra materials matching products installed as described below, packaged with protective covering for storage and identified with labels clearly describing contents.
 - 1. Furnish not less than one box of each class, wearing surface, color, pattern and size of resilient floor tile installed.

PART 2 - PRODUCTS

2.1 RESILIENT LUXURY VINYL TILE TYPE 1 (LVT-1)

- A. Provided by Rooms To Go.

2.2 RESILIENT BASE - THERMOPLASTIC-RUBBER BASE

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Armstrong World Industries, Inc.
 - 2. Burke Mercer Flooring Products, Division of Burke Industries Inc.
 - 3. Flexco.
 - 4. Johnsonite; A Tarkett Company.
 - 5. Roppe Corporation, USA.
- B. Product Standard: ASTM F 1861, Type TP (rubber, vulcanized thermoplastic), Group I (solid, homogeneous).
 - 1. Style and Location:
 - a. Style B, Cove.
- C. Thickness: 0.125 inch (3.2 mm).

- D. Height: 4 inches (102 mm).
- E. Lengths: Coils in manufacturer's standard length.
- G. Outside Corners: Job formed except at conditions where there is less than 2 inches of available wall for anchorage, provide preformed.
- H. Inside Corners: Job formed.
- J. Colors: As selected by Architect from full range of industry colors.

2.3 ACCESSORIES

- A. Resilient Edge/ Transition Strips, as indicated on drawings:
 - 1. Patcraft S142V Snapdown T-Molding Transition.
 - 2. Patcraft S137V Carpet Reducer.
- B. Concrete Slab Primer: Non-staining type as recommended by flooring manufacturer.
- C. Trowelable Underlayments and Patching Compounds: Latex-modified, Portland-cement-based formulation provided or approved by tile manufacturer for applications indicated.
- D. Adhesives (Cements): Water-resistant type recommended by tile manufacturer to suit resilient floor tile products and substrate conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. General: Examine areas where installation of tiles will occur, with Installer present, to verify that substrates and conditions are satisfactory for tile installation and comply with tile manufacturer's requirements and those specified in this Section.
- B. Concrete Sub-floors: Verify that concrete slabs comply with ASTM F 710 and the following:
 - 1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials whose presence would interfere with bonding of adhesive. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by tile manufacturer.
 - 2. Finishes of sub-floors comply with tolerances and other requirements specified in Division 3 Section "Cast-In-Place Concrete" for slabs receiving resilient flooring.
 - 3. Sub-floors are free of cracks, ridges, depressions, scale, and foreign deposits of any kind.
- C. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 MOISTURE BARRIER

- A. Patcraft/Shaw MoistureShield is a unique and patented technology that is native to concrete and functions in new or old concrete. This specification details are relative to the manufacturers "No Moisture Test Requirement" and approved for this client Rooms To Go Corporate. Each project is individually warrantied by the manufacturer Shaw Industries. This Moisture System program can only be installed by manufacturer approved and certified contractors. Contact Patcraft Representative Gina Schiro - 813-244-1668 gina.schiro@patcraft.com for list of approved contractors.
- B. **Step One** (Flooring preparation) - The concrete must be prepared to the IRCI's Concrete Surface Profile of 2-3 (see Section 09 05 51). To achieve this surface profile use Surface Prep EXT spray on concrete cleaner and etcher which replaces bead blasting, eliminating the noise and dust normally created. In circumstances with old adhesive the Shaw Unglued can be used as an alternative to mechanical removal processes prior to the Surface Prep EXT. Other information on floor preparation requirements involving removal of paint, addressing saw cuts, etc. will be addressed by the expertise of our approved contractors.
- C. **Step Two** (Moisture Vapor Emission Control) - MoistureShield is a one-spray application product, designed to penetrate, (2-4mm), inside the paste layer of the concrete substrate, creating a permanent barrier, thus reducing the moisture emission rate, limiting surface RH and reducing the surface pH.
- D. **Step Three** (Moisture Vapor Emission Control) - For "No Moisture Test Requirement" MRP Moisture Resistant Primer step will be performed on top of Moisture Shield. MRP is a water based 2-part barrier primer. Once the system is applied and cured, Patcraft 4151 adhesive type can be used to install Patcraft/Shaw carpet tile (including Ecologix cushion tile) or resilient flooring. Patcraft/Shaw LokDots can also be used to install Carpet tiles with Ecoworx and Strataworx backing.

3.3 INSTALLATION

- A. General: Comply with tile manufacturer's installation directions and other requirements indicated that are applicable to each type of tile installation included in Project.
- B. Lay out 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 at perimeter that equal less than one-half of a tile. Install tiles square with room axis, unless otherwise indicated.

- C. Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufactured and packaged, if so numbered. Cut tiles neatly around all fixtures. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles with grain all running in the same direction.
 - 2. Lay tiles in pattern with respect to location of colors, patterns, and sizes where indicated on Drawings.
- D. Scribe, cut, and fit tiles to butt tightly to vertical surfaces, permanent fixtures, built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings.
- E. Extend tiles into toe spaces, door reveals, closets, and similar openings.
- F. Maintain reference markers, holes, or openings that are in place or plainly marked for future cutting by repeating on finish flooring as marked on sub-floor. Use chalk or other non-permanent marking device.
- G. Install tiles on covers for telephone and electrical ducts, and similar items occurring within finished floor areas. Maintain overall continuity of color and pattern with pieces of flooring installed on these covers. Tightly adhere edges to perimeter of floor around covers and to covers.
- H. Adhere tiles to flooring substrates without producing open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, or other surface imperfections in completed tile installation.
- I. Use full spread of adhesive applied to substrate in compliance with tile manufacturer's directions including those for trowel notching, adhesive mixing, and adhesive open and working times.
- J. Hand roll tiles where required by tile manufacturer.

3.4 INSTALLATION OF ACCESSORIES

- A. Wall Base: Apply wall base in lengths as long as practical to walls, columns and all permanent fixtures in rooms or areas where indicated. Provide preformed outside and inside corner units; mitered outside or inside corners are not acceptable. On masonry or other irregular surfaces, fill voids behind base and along top edge with manufacturer's recommended adhesive filler.
- B. Place resilient edge strips tightly butted to flooring and secure with adhesive. Install edging strips at edges of flooring which would otherwise be exposed.

3.5 CLEANING AND PROTECTION

- A. Perform the following operations immediately after completing tile installation:
 - 1. Remove visible adhesive and other surface blemishes using cleaner recommended by tile manufacturers.
 - 2. Sweep or vacuum floor thoroughly.
 - 3. Do not wash floor until after time period recommended by resilient floor tile manufacturer.
 - 4. Damp-mop tile to remove black marks and soil.

- B. Protect flooring against mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period. Use protection methods recommended by tile manufacturer.
 - 1. Do not move heavy and sharp objects directly over tiles. Place plywood or hardboard panels over tiles and under objects while they are being moved. Slide or roll objects over panels without moving panels.
- C. Clean and polish tiles not more than 4 days prior to dates scheduled for inspections intended to establish date of Substantial Completion in each area of Project. Clean and polish tiles using method recommended by manufacturer.

END OF SECTION