

RESILIENT FLOORING

PART ONE: GENERAL

1.1 Description

1.1.1 Work of this Section, as shown or specified, shall be provided by the Interior Contractor and shall be in accordance with the requirements of the Contract Documents.

1.1.2 Work of this Section includes all labor, materials, equipment, and services necessary to complete the Resilient Tile Flooring as shown on the drawings and specified herein, including, but not limited to, the following:

- a. Vinyl composition tile.
- b. Resilient sheet flooring.
- c. Vinyl base.
- d. Transition and feature strips.
- e. Accessories.

1.1.3 Related work in other sections:

- a. Carpet Section 09680
- b. Painting Section 09920
- c. Wallcovering Section 09950

1.2 Submittals

1.2.1 All submittals shall be made according to Section 01300 and as specified herein.

1.2.2 Submit the following to the Consultant for approval prior to construction and fabrication.

- a. Two (2) full-size sample tiles or two (2) 18" x 18" (450 X 450 mm) samples of resilient sheet flooring for each type and color required,

representative of the expected range of color and pattern variation. Sample submittals will be reviewed for color, texture and pattern only. Compliance with all other requirements is the exclusive responsibility of the Contractor.

- b. Submit 6" (150 mm) long samples of base and feature strips.
- c. Manufacturer's data: For information only, submit Manufacturer's technical information and installation instructions for each type of flooring.
- d. Maintenance instructions: Submit Manufacturer's written instructions for recommended maintenance practices for each type of flooring.

1.3 Quality Assurance

- 1.3.1 Qualifications of installers: use only personnel who are thoroughly trained and experienced in the skills required and completely familiar with the requirements established for this work. All Resilient Tile shall be installed to the highest standard of workmanship.
- 1.3.2 All work and materials shall conform to the drawings and specifications; any changes or deviations in materials or methods must be approved by the Consultant.
- 1.3.3 All Resilient Flooring and Tile, base, and accessories shall meet requirements of local and state codes where applicable. Comply with all laws, ordinances, rules and regulations and orders of any public authority having jurisdiction over this part of the work.
- 1.3.4 Materials used in fabrication of this work shall be new and the best grade obtainable of their respective types.
- 1.3.5 Interior Contractor shall be responsible for securing approval when required from the State Fire Marshall on all materials to be used. A letter from the Fire Marshall's office shall be sent to the Owner indicating such approval where required.

- 1.3.6 The Interior Contractor shall be responsible for taking accurate job site measurements for all dimensions related to the work prior to placing orders for Resilient Flooring and base.
- 1.3.7 The Interior Contractor shall examine all conditions pertaining to the installation of Resilient Flooring and base and shall provide all coordination as required to achieve the proper and timely completion of the installation.
- 1.3.8 The Interior Contractor will not change brands of materials during the course of the work unless approved by Interior Consultant.
- 1.3.9 All Resilient Flooring and accessories delivered and installed shall match the applicable approved samples.
- 1.3.10 Provide tile units and sheet flooring with uniformly distributed color and pattern throughout the thickness of material. Variations in shades and off-pattern matches between containers or rolls is not acceptable.

1.4 Replacement Materials

- 1.4.1 After completion of work, deliver to the project site not less than 2% replacement material for each 2,000 sq. ft. (or fraction thereof) of each type resilient flooring tile, color, and pattern installed.
- 1.4.2 Furnish replacement materials from the same manufactured lot as the materials installed, properly boxed or wrapped and identified.

1.5 Product Handling

- 1.5.1 Deliver materials to the project site in the Manufacturer's original unopened containers, clearly marked to indicate pattern, gauge, lot number and sequence of materials.
- 1.5.2 Carefully handle all materials and store in original containers at temperature and humidity levels as recommended by the Manufacturer for the project conditions.

1.5.3 Use all means necessary to protect the materials of this Section before, during and after installation and to protect the work and materials of all other trades.

1.5.4 In the event of damage, immediately make all repairs and replacements needed to the approval of the Consultant and at no additional cost to the Owner.

1.6 Job Conditions

1.6.1 Whenever project conditions are such that heating is required, continuously heat spaces to receive tile to a temperature as recommended by Manufacturer. Maintain temperature continuously during and after installation as recommended by the Manufacturer, but for not less than 48 hours. Maintain a temperature of not less than 55 degrees Fahrenheit (12° C) in areas where work is completed.

PART TWO: PRODUCTS

2.1 Manufacturers

2.1.1 All Resilient Flooring and base shall be manufactured by the Manufacturer(s) specified in the styles, colors and sizes specified herein or from approved equals (see Section 100).

2.1.2 Accessories shall be provided as required for complete installation as shown on drawings and specified herein, including but not limited to the following:

- a. Adhesives: waterproof, stabilized type, as recommended by the Flooring Manufacturer for the type of service indicated.
- b. Concrete slab primer: non-staining type recommended by the Flooring Manufacturer.
- c. Leveling compound as recommended by the Flooring Manufacturer.
- d. Feature strips: size and color as selected by the Consultant of the same material composition and

thickness as the adjacent resilient flooring.

- e. Edging strips: 1/8" (3 mm) thick, homogeneous vinyl or rubber composition, tapered or bullnose edge, color as selected by the Consultant from Manufacturer's standards.
- f. Finish:
 - 1. Cleaner shall be as recommended by Manufacturer.
 - 2. Wax shall be as recommended by Manufacturer.

PART THREE: EXECUTION

3.1 Inspection

- 3.1.1 It is the responsibility of the Interior Contractor to see that the floor surface is properly prepared to receive Resilient Flooring as specified.

3.2 Conditions of Surfaces

- 3.2.1 Allowable variations in substrate levels:
 - a. Floors: plus/minus 1/8" (3 mm) in 10'-0" (3 M) distance and 1/4" (6 mm) total maximum variation from levels shown.
- 3.2.2 Grind or fill concrete and masonry substrates as required to comply with allowable variations.

3.3 Preparation

- 3.3.1 Treat each concrete substrate as may be required to remove curing compounds or other substances that would interfere with proper installation of Tile. Clean substrate of all traces of such treatment.
- 3.3.2 Perform moisture tests on concrete slabs to determine that concrete surfaces are sufficiently cured and are ready to receive tile installation.
- 3.3.3 Apply concrete slab primer if recommended by Manufacturer, prior to application of the adhesive. Apply in compliance with Manufacturer's directions

3.4 Allowable Tolerances

3.4.1 Allowable variations in finished work: Do not exceed the following deviations from level and plumb, and from elevations, locations, slopes and alignment shown.

- a. Floors: 1/8" (3 mm) in 10'-0" (3 M) run, any direction; 1/32" (1 mm) offset at any location.

3.5 Installation

3.5.1 Install Resilient Flooring only after all finishing operations, including painting and wallcovering have been completed and permanent heating system is operating, but before furnishings, casework. Moisture content of concrete slabs, building air temperature and relative humidity must be maintained within limits recommended by Manufacturer.

3.5.2 Place flooring with adhesive cement in strict accordance with the Manufacturer's recommendations. Butt tile units and flooring tightly to vertical surfaces, thresholds, nosings, and edgings. Scribe around obstructions and edges to produce neat joints, laid tight, even and in straight, parallel lines. Extend flooring into toe spaces, door reveals, and into closet and similar openings.

3.5.3 Maintain reference markers, holes, or openings that are in place or plainly marked for future cutting by repeating on the finished floor as marked in the subfloor. Use non-permanent marking devices.

3.5.4 Unless otherwise specified, lay Tile from center marks established with principal walls, discounting minor off-sets, so that Tile at opposite edges of the room are of equal width. Lay Tile squares to room axis, unless otherwise shown.

3.5.5 Match Tiles for color and pattern by using Tile from cartons in the same sequence as manufactured and packaged. Cut Tile neatly to and around all fixtures. Broken, cracked, chipped or deformed Tile are not acceptable.

3.5.6 Tightly cement Flooring to sub-base without open cracks,

voids, raising and puckering at joints, telegraphing of adhesive spreader marks through flooring, or other surface imperfections.

3.5.7 Unless otherwise specified, lay Flooring with grain and/or pattern in all Flooring running in the same direction. Place resilient edge strips tightly abutted to flooring and secure with adhesive. Provide edging strips at all unprotected edges of flooring, unless otherwise shown.

3.5.8 Bases: In all spaces where vinyl base is indicated, install bases tight to walls, partitions, columns, built-in cabinets, etc., without gaps at top or bulges at bottom, with tight joints and flush edges, with molded corner pieces at internal and external corners. Provide end stops adjacent to flush type door frames and where base does not terminate against an adjacent surface. Keep base in full contact with walls until adhesive sets.

3.6 Cleaning and Protection

3.6.1 Remove any excess adhesive or other surface blemishes from Flooring, using neutral type cleaners as recommended by the Flooring Manufacturer. Protect installed Flooring from damage by use of covering material recommended by Manufacturer.

3.6.2 Finishing: After completion of the project and just prior to the final inspection of the work, thoroughly clean floor and accessories. Apply 2 coats of wax and buff using materials as recommended by Manufacturer.

END OF SECTION