

SECTION 09650
VINYL COMPOSITION TILE

PART 1 - GENERAL

1.01 SUMMARY

A. Scope:

1. Provide all labor, equipment and materials necessary to install resilient flooring, base and accessories complete as located and detailed on Drawings.

1.02 RELATED WORK

- A. TILE WORK: Section 09300.
- B. CARPETING: Section 09680.
- C. PAINTING: Section 09900.

1.03 QUALITY ASSURANCE

A. Installer's Qualifications:

1. Installation shall be performed only by a qualified installer with at least five (5) years experience in installations of a similar nature.

1.04 SUBMITTALS

A. Product Data:

1. Submit manufacturer's technical data for each type of resilient flooring and accessory for review by the Architect.

B. Samples:

1. Submit the following samples of each type, color and pattern of resilient flooring required, showing full range of color and pattern variations.
 - a. Full size tile samples.
 - b. 2-1/2" long samples of resilient base and flooring accessories.
 - c. Other materials as requested.

C. Maintenance Instructions:

1. Submit manufacturer's recommended maintenance practices for each type of resilient flooring and accessory required.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Site in manufacturer's original unopened containers with manufacturer's brand name and color clearly marked thereon, and store in conformity with manufacturer's recommendations.

1.06 JOB CONDITIONS

- A. Maintain minimum temperature of 65-degrees F in spaces to receive resilient flooring for at least 48 hours prior to installation, during installation, and for not less than 48 hours after installation. Stored resilient flooring materials in spaces where they will be installed for at least 48 hours before beginning installation.
- B. Install flooring and accessories after other finishing operations, including painting, have been completed. Do not install flooring over concrete slabs until the latter have been cured and are sufficiently dry to achieve bond with adhesive as determined by resilient flooring manufacturer's recommended bond and moisture test.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Vinyl Composition Tile:
 - 1. 12" X 12", 1/8" gage, vinyl composition tile: FS-SS-T-312 B (1), Type IV, Composition 1.
 - 2. Manufacturer and Colors: Refer to Drawings or as selected by Architect.
- B. Resilient Base: (See Drawings)
 - 1. Vinyl base, 1/8" gage, FS SS-W-40, Type II, with matching end stops and preformed or molded corner units.
 - 2. Rubber Base, ASTM F 1861.
 - 3. Manufacturer and Colors: Refer to Drawings or as selected by Architect.
 - 4. Use set-on cove.
 - 5. Not Used.
 - 6. Supply in 96'-0" rolls.
- C. Static Dissipative SDT:
 - 1. Provide Armstrong Static Dissipative VCT in computer server and / or data room.

- D. Adhesives (Cements):
 - 1. Waterproof stabilized type as recommended by flooring manufacturer to suit material and substrate conditions.
- E. Resilient Edge Strips:
 - 1. Vinyl 1" X 1/8" thick beveled.
- F. Concrete Slab Primer:
 - 1. Non-staining type as recommended by flooring manufacturer.
- G. Leveling and Patching Compounds:
 - 1. Latex type as recommended by flooring manufacturer.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Inspect subfloor surfaces to determine that they are satisfactory for flooring installation. Subfloor surface shall be smooth and free from cracks, holes, ridges or coatings preventing adhesive bond, and other defects impairing performance or appearance.
- B. Perform bond and moisture tests on concrete subfloors to determine if surfaces are sufficiently cured and dry as well as to ascertain presence of curing compounds.
- C. Do not allow resilient flooring work to proceed until subfloor surfaces are satisfactory.
- D. Do not start work until painting (where applicable) has been substantially completed.

3.02 PREPARATION

- A. Prepare subfloor surfaces as follows:
 - 1. Use leveling and patching compounds as recommended by resilient flooring manufacturer for filling small cracks, holes and depressions in subfloors.
 - 2. Remove coatings from subfloor surfaces that will prevent adhesive bond, include curing compounds incompatible with resilient flooring adhesives, paint, oils, waxes and sealers.
- B. Broom clean or vacuum surfaces to be covered, and inspect subfloor.
- C. Apply concrete slab primer, if recommended by flooring manufacturer, prior to application of adhesive. Apply in compliance with manufacturer's directions.

3.03 INSTALLATION

A. Installation General:

1. Install flooring using method indicated in strict compliance with manufacturer's printed instructions. Extend flooring into toe spaces, door reveals, and into closets and similar openings.
2. Scribe, cut and fit resilient flooring to permanent fixtures, built-in furniture and cabinets, pipes, outlets and permanent columns, walls and partitions.
3. Maintain reference markers, holes or openings that are in place or plainly marked for future cutting by repeating on finish flooring as marked on subfloor. Use chalk or other non-permanent marking device.
4. Install flooring 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 cement edges to perimeter of floor around covers and to covers.
5. Tightly cement flooring to subbase without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, or other surface imperfections. Hand roll resilient flooring at perimeter of each covered area to assure adhesion.

B. Installation of Tile Floors:

1. Lay tile from center marks established with principal walls, discounting minor offsets, so that tile at opposite edges of room area of equal width. Adjust as necessary to avoid use of cut widths less than 1/2 tile at room perimeters. Lay tile square to room axis, unless otherwise shown.
2. Match tiles for color and pattern by using tile from cartons in same sequence as manufactured and packaged if so numbered. Cut tile neatly around all fixtures. Broken, cracked, chipped, or deformed tiles are not acceptable.
3. Adhere tile flooring to substrates using full spread of adhesive applied in compliance with flooring manufacturer's directions.

C. Installation of Accessories:

1. Apply wall base to walls, columns, pilasters, casework and other permanent fixtures in rooms or areas where base is required. Install base in lengths as long as practicable, with preformed corner units, or fabricated from base materials with mitered or coped inside corners. Tightly bond base to substrate throughout length of each piece, with continuous contact at horizontal and vertical surfaces.
 - a. On masonry surfaces, or other similar irregular substrates, fill voids along top edge of resilient wall base with manufacturer's recommended adhesive filler material.
2. Install resilient edging strips at edges of flooring which would otherwise be exposed.

Place resilient edge strips tightly butted to flooring and secure with adhesive.

3.04 CLEANING AND PROTECTION

- A. Perform following operations immediately upon completion of resilient flooring:
1. Sweep or vacuum floor thoroughly.
 2. Do not wash floor until time period recommended by resilient flooring manufacturer has elapsed to allow resilient flooring to become well-seated in adhesive.
 3. Damp-mop floor being careful to remove black marks and excessive soil.
 4. Remove excess flooring adhesive or other surface blemishes, using appropriate cleaner recommended by resilient flooring manufacturer.
 5. Strip and Wax floor using products recommended by tile manufacturer. Floor is to have high gloss shine on date of Owner occupation.
- B. Protect flooring against damage during construction period to comply with resilient flooring manufacturer's directions.
1. Protect resilient flooring against damage from rolling loads for initial period following installation by covering with plywood or hardboard. Use dollies to move stationary equipment or furnishing across floors.
 2. Cover resilient flooring with undyed, untreated building paper until inspection for Final Acceptance.
 3. Replace all damaged tile and base at no cost to Owner.

3.05 EXTRA STOCK

- A. Deliver stock of maintenance materials to Owner. Furnish maintenance materials from same manufactured lot as materials installed and enclosed in protective packaging with appropriate identifying labels.
1. Tile Flooring: Furnish not less than one (1) box for each 50 boxes or fraction thereof, for each type, color, pattern and size installed.
 2. Base: Four feet (4') per building of each type installed.

END OF SECTION 09650