

SECTION 09650
RESILIENT FLOORING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Resilient Thru-Chip Tile Flooring.
- B. Resilient Base.

1.2 REFERENCES

- A. ASTM International
 - 1. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish - Coated Floor Surfaces as Measured by the James Machine.
 - 2. ASTM E648 Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
 - 3. ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
 - 4. ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
 - 5. ASTM F970 Standard Test Method for Static Load Limit.
 - 6. ASTM F1066 Standard Specification for Vinyl Composition Floor Tile.
 - 7. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
 - 8. ASTM F1678 Standard Test Method for using a Portable Articulated Strut Slip Tester (PAST)
- 1.3 SUBMITTALS
 - A. Samples: Submit samples of standard colors for selection by Architect.
 - B. Submit samples of base colors for selection by Architect.

1.4 REGULATORY REQUIREMENTS

- A. Conform to Standard Building Code for flame/smoke rating requirements of vinyl tile in accordance with ASTM E84.
- B. ENVIRONMENTAL REQUIREMENTS
- C. Store materials for three days prior to installation in area of installation to achieve temperature stability.
- D. Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.5 MAINTENANCE DATA

- A. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.6 EXTRA MATERIALS

- A. Provide 50 sq ft of flooring, 40 lineal feet of base.

1.7 Warranty

- A. Free of manufacturing defects for 5 years from installation.

PART 2 - PRODUCTS

2.1 MATERIALS - TILE FLOORING

- A. Vinyl Composition Tile: ASTM F1066:
 - 1. Size: 12 x 12 inch.
 - 2. Thickness: 1/8 inch.
 - 3. Manufacturers:
 - a. Armstrong; Style Imperial Texture Standard Excelon Series
 - b. Tarkett; Style expressions.
 - c. Mannington Commercial; Style Essentials and Inspirations.
 - 4. Pattern as shown on floor plan.

2.2 BASE

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- A. Base: FS SS-W-40, Rubber, top set covered; premolded external corners:
 - 1. Height: 4 inch.
 - 2. Thickness: 1/8 inch.
 - 3. Length: 4 foot sections min.
 - 4. Manufacturers:
 - a. Johnsonite.
 - b. Roppe.
 - c. Flexco.
- 2.3 ACCESSORIES
 - A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
 - B. Primers and Adhesives: Waterproof, types recommended by flooring manufacturer.
 - C. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- B. Prohibit traffic until filler is cured.
- C. Vacuum clean substrate.

3.3 INSTALLATION - TILE FLOORING

- A. Install in accordance with manufacturer's instructions.
- B. Mix tile from container to ensure shade variations are consistent when tile is placed.
- C. Spread only enough adhesive to permit installation of materials before initial set.

- D. Set flooring in place, press with heavy roller to attain full adhesion.
- E. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.
- F. Install tile with veining run in one direction. Allow minimum ½ full size tile width at room or area perimeter.
- G. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar, except where shown otherwise on drawings.
- H. Install resilient edge strips at unprotected or exposed edges, and where flooring terminates. Secure metal strips after installation of flooring with stainless steel screws.
- I. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
- J. Replace any flooring installed over debris which causes peaks.

3.4 INSTALLATION - BASE

- A. Fit joints tight and vertical. Maintain minimum measurement of 18 inches between joints.
- B. Use pre-moulded inside and outside corners at exposed ends such as door jambs, use premolded units.
- C. Install base on solid backing. Bond tight to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

3.5 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions. No less than two (2) coats of wax.

3.6 PROTECTION OF FINISHED WORK

- A. Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION