

---

SECTION 09 65 20

RESILIENT TILE FLOORING

---

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section Includes: Provide resilient tile flooring and accessories as required for complete finished installation.
- B. Related Sections:
  - 1. Section 09 65 10: Resilient base.
  - 2. Section 09 65 15: Resilient stair accessories.
  - 3. Section 09 68 00: Carpet edge strips.

1.2 SUBMITTALS

- A. Product Data: Furnish manufacturer's product literature.
- B. Samples: Furnish samples of each type of flooring color and pattern.

1.3 QUALITY ASSURANCE

- A. CALGreen Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives and resilient flooring.

1.4 SITE CONDITIONS

- A. Ensure floor surfaces are smooth and flat with maximum variation of 1/8" in 10'-0".
- B. Ensure concrete floors are dry and exhibit negative alkalinity, carbonizing, and dusting.
- C. Maintain minimum 70-degree F air temperature at flooring installation area for three days prior to, during, and for 24 hours after installation.
- D. Store flooring materials in area of application; allow three days for material to reach same temperature as area.

**PART 2 - PRODUCTS**

2.1 SYSTEMS MANUFACTURERS

- A. Armstrong World Industries, Inc.
- B. Mannington Commercial.
- C. Congoleum Corp.
- D. Tarkett Inc/Azrock.
- E. Substitutions: Refer to Section 01 25 00.

**2.2 MATERIALS**

- A. System Description: Provide resilient tile flooring and accessories.
- B. Regulatory Requirements:
  - 1. Flammability: Provide materials tested under ASTM E648, Flooring Radiant Panel Test, with results of 0.45 watts/sq cm or higher.
  - 2. Slip Resistance: Provide materials tested under ASTM D2047, James Slip Test with minimum 0.6 rating for floors.
- C. Luxury Vinyl Tile (LVT) Planks: 3" by nominal 36" by 1/8" thick; vinyl composition tile planks conforming to ASTM F1066, Composition 1.
  - 1. Color and Pattern: As indicated on Finish Schedule; as selected by Architect from manufacturer's full range of available colors where not otherwise indicated.
- D. Edge Strips: Homogeneous vinyl or rubber, tapered or bullnose edge, color as selected by Architect.
- E. Sub-Floor Filler: White premixed latex-cement paste designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.
  - 1. Use material capable of being applied and feathered out to adjacent floor without spalling.
- F. Primers and Adhesives: Waterproof nontoxic types as recommended by flooring manufacturer for specified material and application.
- G. Sealer and Wax: Type recommended by flooring manufacturer for material type and location.

**PART 3 - EXECUTION****3.1 PREPARATION**

- A. Conform to manufacturer's recommendations for preparation and to ASTM F710.
- B. Remove sub-floor ridges and bumps; fill low spots, cracks, joints, holes and defects with sub-floor filler.
- C. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface; prohibit traffic until filler is cured.
- D. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

### **3.2 INSTALLATION**

- A. Conform to manufacturer recommendations and installation instructions.
  - 1. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.
- B. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation; spread only enough adhesive to permit installation of flooring before initial set.
- C. Set flooring in place using methods to ensure full adhesion.
- D. Lay flooring with joints parallel to building lines to produce symmetrical pattern.
- E. Install minimum 1/2 tile at room and area perimeter.
- F. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.
- G. Install edge strips at unprotected and exposed edges where flooring terminates.
- H. Scribe flooring to walls, columns, floor outlets and other appurtenances, to produce tight joints.
- I. Consult with Architect for floor pattern desired in each area.
- J. Edge Strips: Install where edge of tile would otherwise be exposed; butt to flooring without gaps; set in adhesive.

### **3.3 CLEAN-UP AND PROTECTION**

- A. Remove excess adhesive from floor, base and wall surfaces without causing damage.
- B. Clean, seal and wax floor surfaces in accordance with manufacturer's recommendations.
- C. Prohibit traffic from floor for 48 hours after installation.

**END OF SECTION**