

SECTION 09.65.19.00

VINYL COMPOSITION TILE

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Provide vinyl composition tile flooring with accessories, as required for complete installation.
- B. Related Sections:
 - 1. Section 09.65.19.00: Commercial Homogeneous Tile
 - 2. Section 09.65.19.00: Vinyl Enhanced Tile
 - 3. Section 09.65.13.13: Resilient Wall Base

1.02 REFERENCES

- A. ASTM E 648: Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source (Flooring Radiant Panel Test).
- B. ASTM E 662: Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- C. ASTM F 970: Standard Test Method for Static Load Limit
- D. ASTM F 710: Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.
- E. ASTM F 1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- F. ASTM F 2170: Standard Test Method for Determining Relative Humidity in Floor Slabs using in situ Probes
- G. ASTM F 1066: Specification for Vinyl Composition Floor Tile.

1.03 SUBMITTALS

- A. Product Data: Furnish manufacturer's literature for each type of material to be provided for Project.
- B. Samples: Furnish each type of tile and edge strip required for Project.
- C. Color Charts: Upon request submit resilient tile selections showing full range of colors and patterns available.
- D. Certification: Furnish manufacturer's certification based on independent testing laboratories indicating compliance with specified requirements.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Firm with minimum five years successful experience completing resilient tile installation similar to that required.
- B. Preinstallation Conference: Conduct meeting at site prior to commencing work related to resilient tile installation.
 - 1. Require attendance of parties directly affecting resilient tile installation.
 - 2. Review site conditions, procedures, and coordination required with related work.



800-558-2240 (Samples)
800-366-2689 (Tarkett Commercial Technical Assistance)
FAX: 713-869-5271 (Tarkett Commercial Technical Assistance)

Technical Assistance E Mail: AzTech@Tarkett.com

- C. Field Mock-Up: Provide mock-up of each type of installation using approved materials and specified methods of installation.
1. Obtain Architect's acceptance of mock-up prior to start of resilient tile installation.
 2. Approved mock-up may be incorporated into Project.

1.05 SITE CONDITIONS

- A. Maintain minimum 65 degree F air temperature at flooring installation area for minimum two days prior to, during, and for minimum 24 hours after installation of resilient tile.
- B. Store flooring materials in area of application; allow two days for material to reach same temperature as area. and maintain for minimum 24 hours after completion of installation.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Vinyl Composition Tile Manufacturer: Azrock by Tarkett Commercial, Telephone 800-558-2240 (samples) and 800-366-2689 (Tarkett Commercial Technical Assistance); Fax 713-869-5271 (Tarkett Commercial Technical Assistance). E-mail Technical Assistance: AzTech@Tarkett.com
1. Standards: Meet or exceed requirements of ASTM F 1066, Class 1 or 2, non-asbestos formulated
 2. Quality Assurance: Product manufacturing facility to be compliant with latest ISO 9000 Standard [for shipboard application manufacturing facility, product and adhesive system to be IMO Compliant].

SPECIFIER NOTE: If credit under USGBC-LEED™ building systems is being sought the following can be inserted further detailing credit(s) possible from the product, adhesive and / or manufacturing facility:

VOC Emission Criteria: Product meets Collaborative for High Performance Schools Section 01350 criteria as offered under RFCI FloorScore certification.

Manufacturers recommended adhesive to contain no regulated VOC's as certified by CRI Green Label or FloorScore certifications.

Manufacturer Location: Project located within 500 miles of Houston, Texas local source.

Manufacturer to offer reclamation program for non-contaminated installation waste for re-use into new product.

Recycle Content: Standard Patterns containing 10% Post Consumer content & 10% Pre Consumer Content
 Premium Solids, Feature Strip & Thru-Quartz containing 5 % Post Consumer content
 Premium Granite & Granite SR containing 10 % Post Consumer content

Manufacturer to provide Lifecycle Data on product under anticipated use conditions.

3. Size: 12 inch by 12 inch
4. Gauge: 1/8 [3/32] inch.
5. Flammability: Provide materials with 1.0 CRF (critical radiant flux) or higher when tested in accordance with ASTM E 648, Flooring Radiant Panel Test.
6. Smoke Density: Provide materials with smoke density of less than 450 when tested in accordance with ASTM E 662.
7. Static Load: Provide materials with static load limit of 150 psi or higher.
8. Slip Resistance: Provide materials with minimum rating for floors of > 0.60.
9. Color and Pattern:

As selected by Architect from manufacturer's full range of available colors and patterns, including Standard (Class 2) and Premium (Class 1, and 2).

- a. Standard Pattern, Class 2, Cortina Colors (27 colors).
- b. Standard Pattern, Class 2, Cortina Classics (38 colors).
- c. Premium Pattern, Class 1, Solids (12 colors)
- d. Premium Pattern, Class 2, Thru-Quartz (12 colors)
- e. Premium Pattern, Class 1, Feature Strip (12 colors) [1/4", 1/2", 1", 2", 4", 6" by 24" sizes available]
- f. Premium Pattern, Class 2, Granite (7 colors).
- g. Premium Pattern, Class 2, Granite Slip Resistant (9 colors); slip resistance rating of 0.8.

B. Edge Strips (Moldings): Homogeneous vinyl, tapered or bullnose edge.

- Color: As selected by Architect to compliment vinyl composition tile.

C. Subfloor Filler: Hydraulic/Portland cement based material designed for providing thin solid surface for leveling and for minor ramping of subsurface to adjacent floor finishes.

- Use material capable of being applied and feathered out to adjacent floor without spalling.

D. Primers and Adhesives: Water and alkali resistant, zero regulated VOC types as recommended by flooring manufacturer for specific application.

Specifier Note: For increased substrate moisture and alkali tolerance with matching manufacturer defect warranty coverage, all products are suitable for installation utilizing manufacturers Spray Smart adhesive system. Select and incorporate from the following choices available:

a. Spray Smart Adhesive:

Gold: Max 7 lbs (MVER), 90% (RH) & 11 pH Tolerance

Platinum: Max 10 lbs (MVER), 93% (RH) & 12 pH Tolerance

E. Floor Finish: Finish as recommended by flooring manufacturer for material type and location.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Verify conditions of substrate are suitable for installation of resilient tile in accordance with manufacturer recommendations.

1. Concrete to comply with ASTM F 710, to be free of materials which could interfere with adhesion of resilient flooring, to be tested using the quantitative calcium chloride test as detailed under ASTM F 1869 with results of 5 lbs. or less of vapor transmission (MVER) and / or in situ (RH) under ASTM F 2170 with results of 90% or less, and with surface alkali of 9 or less as measured by pH test paper, and free of carbonization and dust. (Adjust moisture & alkali limits, as detailed under Spray Smart system if selected)
2. Wood underlayment to have a smooth fully sanded face, free of irregularities, and to be free of substances, which could interfere with adhesion of resilient tile.

3.02 PREPARATION

A. Comply with manufacturer recommendations for preparation of substrate.

- Concrete, Terrazzo, Latex Patching Compound Floors: Comply with ASTM F 710 in addition to manufacturer recommendations for preparation of substrate.

- B. Remove subfloor ridges and bumps; fill low spots, cracks, joints, holes, and defects with subfloor filler.
- C. Clean floor and apply, trowel, and float filler to leave smooth, flat hard surface.
 - Prohibit traffic in area until filler is cured.

3.03 INSTALLATION

- A. Comply with manufacturer's recommendations and installation instructions.
- B. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.
- C. Clean substrate, use appropriate techniques and equipment to remove all dust and debris.
- D. Spread adhesive 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.
- E. Set flooring in place, press with heavy roller to ensure full adhesion.
- F. Lay flooring with joints parallel to building lines to produce symmetrical pattern.
- G. Install minimum 1/2 tile at room and area perimeter.
- H. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.
- I. Install edge strips at unprotected and exposed edges where flooring terminates.
- J. Fit flooring to walls, columns, floor outlets and other appurtenances, to produce net joints.
- K. Consult with Architect for floor pattern desired in each area.

3.04 CLEANING AND POLISHING

- A. Remove excess adhesive from floor, base, and wall surfaces without causing damage to surfaces due to cleaning operations, and repair damage to adjacent materials caused by resilient tile installation using methods recommended by adjacent material manufacturers.
- B. Clean floors taking care not to wash floors prior to adhesive set.
- C. Apply floor finish in accordance with manufacturer's recommendations.

3.05 PROTECTION

- A. Prohibit traffic from floor for 48 hours after installation recommendations.
- B. Protect floors from damage during remainder of construction operations; do not move heavy objects over resilient tile flooring, which could damage flooring; replace flooring damaged by subsequent construction operations.

END OF SECTION