Section 09.65.19

RESILIENT TILE FLOORING INCLUDING VINYL COMPOSITION TILE

THIS DOCUMENT IS INTENDED AS A SUGGESTED GUIDE FOR CREATING, MODIFYING, OR EDITING YOUR CSI FORMATTED 3-PART ARCHITECTURAL GUIDE SPECIFICATIONS.

TARKETT WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY INFORMATION OR SPECIFICATIONS FOUND IN THIS DOCUMENT.

ENSURE THAT YOU HAVE THE LATEST PUBLICATION FOR THIS SPECIFICATION.

THE SPECIFIER OR DESIGNER IS RESPONSIBLE FOR PRODUCT SELECTION AND ACCURACY OF ALL PROJECT SPECIFICATIONS, INCLUDING ANY TARKETT INFORMATION OR SPECIFICATIONS USED.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Resilient Tile (Vinyl Composition Tile) Flooring.

B. Related Sections:

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. LEED Submittals:

   1. Product Data for Credit EQ 4.1: For adhesives, include printed statement of VOC content and chemical components.

C. Samples for Initial Selection: For each type of product indicated.

D. Samples for Verification: For each type of product indicated, in manufacturer's standard-size samples of each resilient product color, texture, and pattern required.

E. Product Schedule: For resilient products. Use same designations indicated on Drawings**.**

1.4 QUALITY ASSURANCE

A. Mockups: Provide resilient products with mockups specified in other Sections.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

1.6 PROJECT CONDITIONS

A. Install resilient products after other finishing operations, including painting, have been completed.

B. Maintain ambient temperatures within range recommended by Tarkett, but not less than 65 deg F (18 deg C) or more than 85 deg F (29 deg C) in spaces to receive resilient products during the following time periods:
   1. 48 hours before installation.
   2. During installation.
   3. 48 hours after installation.

C. Maintain the ambient relative humidity between 40% and 60% during installation.

D. Until Substantial Completion, maintain ambient temperatures within range recommended by Tarkett, but not less than 55 deg F (13 deg C) or more than 85 deg F (29 deg C).

PART 2 - PRODUCTS

2.1 RESILIENT TILE FLOORING

Contact:

Tarkett, Inc.	Phone:	(800) 899-8916
2728 Summer Street		(440) 543-8916
Houston, TX 77007	Tech:	Ext 9297
Web: www.azrock.com	Samples:	Ext 9299
E-mail: samples.commercial@tarkett.com	Fax:	(440) 543-8920

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ENVIRONMENTAL SUSTAINABILITY NOTES:

Tarkett Resilient Tile Flooring

- Tarkett offers a RESTART reclamation program for returning unused jobsite scrap
- Vinyl Composition Tiles contain pre consumer and post consumer recycle content
- 100% Recyclable
- SCS FloorScore® Certified and meets California Specifications Section 01350
- Tarkett facilities are ISO 9001 and ISO 14001 Certified
- Criteria for Vinyl Composition Tile (VCT) regional materials based on manufacturing location at Houston, Texas
- For all environmental sustainability information visit ecoScorecard on Azrock home page at www.azrock.com

A. Resilient Vinyl Composition Tile Flooring

1. Azrock TEXTILE specify – Resilient Vinyl Composition Tile Flooring with the following physical characteristics:
   a. Complies with requirements for ASTM F 1066, Class 2 (Through Pattern) Standard Specification for Vinyl Composition Floor Tile
   b. Wear layer/Overall thickness: 1/8" (3.2 mm)
   c. Tile sizes: 12" x 12" (30.5 cm x 30.5 cm) and 12" x 24" (30.5 cm x 61 cm)
   d. Slip Resistance: ADA Compliant
   e. ASTM F 970, Standard Test Method for Static Load Limit – 150 PSI
   f. ASTM E 648, Standard Test method for Critical Radiant Flux of 0.45 watts/cm^2 or greater, Class I
   g. Warranty: 5 year Manufacture's Warranty
   h. Azrock TEXTILE may be installed with SpraySmart System

   - For Azrock TEXTILE Tile specify (V ____ [Specify color by number and name])

2. Azrock VCT, SOLIDS & FEATURE STRIPS specify – Resilient Vinyl Composition Tile Flooring with the following physical characteristics:
   a. Complies with requirements for ASTM F 1066, Class 1 (Solid Color) Standard Specification for Vinyl Composition Floor Tile
   b. Wear layer/Overall thickness: 1/8" (3.2 mm)
   c. Tile sizes: 12" x 12" (30.5 cm x 30.5 cm)
   d. Slip Resistance: ADA Compliant
   e. ASTM F 970, Standard Test Method for Static Load Limit – 150 PSI
   f. ASTM E 648, Standard Test method for Critical Radiant Flux of 0.45 watts/cm^2 or greater, Class I
   g. Warranty: 5 year Manufacture's Warranty

h. Azrock VCT, SOLIDS & FEARTURE STRIPS may be installed with SpraySmart System

- For Azrock VCT Tile specify (V ____ [Specify color by number and name])
- For Azrock SOLIDS Tile specify (VS ____ [Specify color by number and name])
- For Azrock FEATURE STRIPS specify (FS ____ [Specify color by number and name])

2.2 INSTALLATION MATERIALS

A. Trowelable Leveling and Patching Compounds: Latex-modified, Portland cement based or blended hydraulic-cement-based formulation.

B. Adhesives: As recommended by Tarkett to meet site conditions.
1. Vinyl Composition Tile:
a. Tarkett 100 Clear Thin Spread Adhesive
b. Tarkett 940 Two-Part Polyurethane Adhesive
c. Tarkett 122 SpraySmart Adhesive (up to 8 pounds calcium chloride \ 90% relative humidity and less than 11 pH)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the work.

B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Prepare substrates according to Azrock written instructions to ensure adhesion of Resilient Tile Flooring.
1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
2. Remove substrate paint, coatings and other substances that are incompatible with adhesives or contain soap, wax, oil, solvents, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
3. Mechanically remove contamination on the substrate that may cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material.
4. Prepare Substrates according to ASTM F 710 including the following:

a. Moisture Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
   1) Perform anhydrous calcium chloride test, ASTM F 1869. Results must not exceed 5 lbs. Moisture Vapor Emission Rate per 1,000 sq. ft. in 24 hours.
      Special Note: If MVER is greater than 5 lbs. but less than 8 lbs. see requirements for Tarkett SpraySmart Adhesive.

      – or –

   2) Perform relative humidity test using in situ probes, ASTM F 2170. Results must not exceed 80%.
      Special Note: If MVER is greater than 80% but less than 90% see requirements for Tarkett SpraySmart Adhesive.

b. A pH test for alkalinity must be conducted. Results should range between 7 and 9. If the test results are not within the acceptable range of 7 to 9, the installation must not proceed until the problem has been corrected.
   Special Note: If pH reading exceeds 9 but less than 11 see requirements for Tarkett SpraySmart Adhesive.

c. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer.

5. Wood subfloors must have a minimum 18" (45.7 cm) of cross-ventilated space beneath the bottom of the joist.
   a. The floor must be rigid, free of movement.
   b. Single wood and tongue and groove subfloors should be covered with ¼" (6.4 mm) or ½" (12.7 mm) APA approved underlayment plywood.
      1) Use ¼" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less.
      2) Use ½" (12.7 mm) thick underlayment panels for boards with a face width wider than 3" (76 mm).
   c. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan or composite type underlayments.

B. Fill cracks, holes, depressions and irregularities in the substrate with good quality Portland cement based underlayment leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.

C. Floor covering shall not be installed over expansion joints.

D. Do not install resilient products until they are same temperature as the space where they are to be installed.
   1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.

E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.3 RESILIENT TILE FLOORING INSTALLATION

A. Comply with manufacturer's written instructions for installing resilient tile flooring.

B. Vinyl Composition Tile Flooring:
   1. Install with Azrock/Tarkett adhesive specified for the site conditions and follow adhesive label for proper use.
   2. Follow Azrock's recommendation for Quarter Turn tiles.
   3. Open enough cartons of floor tiles to cover each area, and mix tile to ensure shade variations do not occur within any one area.
   4. Roll the flooring in both directions using a 100 pound three-section roller.

3.4 CLEANING AND PROTECTION

A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.

B. Perform the following operations immediately after completing resilient product installation:
   1. Remove adhesive and other blemishes from exposed surfaces.
   2. Sweep and vacuum surfaces thoroughly.
   3. Damp-mop surfaces to remove marks and soil.

C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

D. No traffic for 24 hours after installation.
   Special Note: When Tarkett SpraySmart Adhesive is used traffic may be allowed immediately after installation

E. No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
   Special Note: When Tarkett SpraySmart Adhesive is used traffic may be allowed immediately after installation

F. Cover resilient products until Substantial Completion.

G. Wait 72 hours after installation before performing initial cleaning.
   Special Note: When Tarkett SpraySmart Adhesive is used maintenance may be started immediately after installation.

H. A regular maintenance program must be started after the initial cleaning.
   Special Note: When Tarkett SpraySmart Adhesive is used maintenance may be started immediately after installation.

END OF SECTION 09.65.19