



## Section 09.65.20

### 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.

JOHNSONITE 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 JOHNSONITE INFORMATION OR SPECIFICATIONS USED.

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#### 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.

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- 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 Johnsonite, 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 Johnsonite, 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 Johnsonite, 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	Phone: (800) 899-8916
16910 Munn Road	(440) 543-8916
Chagrin Falls, Ohio 44023	Tech: Ext 9297
Web: <a href="http://www.tarketta.com">www.tarketta.com</a>	Samples: Ext 9299
E-mail: <a href="mailto:info@johnsonite.com">info@johnsonite.com</a>	Fax: (440) 543-8920

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#### ENVIRONMENTAL SUSTAINABILITY NOTES:

##### Johnsonite Resilient Tile Flooring

- Johnsonite offers a RESTART reclamation program for returning jobsite scrap
- Vinyl Composition Tiles contain 10% pre-consumer and 10% post-consumer recycled content
- 100% Recyclable
- SCS FloorScore® Certified and meets California Specifications Section 01350
- Johnsonite facilities are ISO 9001 and ISO 14001 Certified
- NSF-332 Certified
- Phthalate-free
- LEED contributions for Johnsonite Resilient Tile flooring include MR2, MR4, MR5, and EQ4.3
- For all environmental sustainability information visit ecoScorecard on Johnsonite home page at [www.tarkettna.com](http://www.tarkettna.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<sup>2</sup> or greater, Class I
  - g. Warranty: 5 year Manufacturer's Warranty
  - h. Azrock TEXTILE may be installed with SpraySmart System
  - i. Johnsonite offers a RESTART reclamation program for returning jobsite scrap
  - j. TEXTILE Vinyl Composition Tiles contain 10% pre-consumer and 10% post-consumer recycled content
  - k. 100% Recyclable
  - l. SCS FloorScore® Certified and meets California Specifications Section 01350
  - m. Johnsonite facilities are ISO 9001 and ISO 14001 Certified
  - n. NSF-332 Certified
  - o. Phthalate-free
  - p. LEED contributions for Johnsonite Resilient Tile flooring include MR2, MR4, MR5, and EQ4.3

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- 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 Standard Specification for Vinyl Composition Floor Tile, Class 1 (Solid Color) and Class 2 (Through Pattern)
  - 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<sup>2</sup> or greater, Class I
  - g. Warranty: 5 year Manufacturer's Warranty
  - h. Azrock VCT, SOLIDS & FEATURE STRIPS may be installed with SpraySmart System
  - i. Johnsonite offers a RESTART reclamation program for returning jobsite scrap
  - j. AZROCK VCT, SOLIDS & FEATURE STRIPS contain 10% pre-consumer and 10% post-consumer recycle content
  - k. 100% Recyclable
  - l. SCS FloorScore® Certified and meets California Specifications Section 01350
  - m. Johnsonite facilities are ISO 9001 and ISO 14001 Certified
  - n. NSF-332 Certified
  - o. Phthalate-free
  - p. LEED contributions for Johnsonite Resilient Tile flooring include MR2, MR4, MR5, and EQ4.3
- 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)

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#### 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 Johnsonite 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.

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- 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 Johnsonite/Tarkett adhesive specified for the site conditions and follow adhesive label for proper use.
  - 2. Follow Johnsonite'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.

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- 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. Wait 72 hours after installation before performing initial cleaning.

END OF SECTION 09.65.20



**Property Solutions**  
SMART FLOORING INVESTMENTS BY 

Resilient™

**Cameron Plus Plank** | *luxury vinyl plank*

Color shown is 520 Shadow

shawfloors.com





Resilient™



# Cameron Plus Plank

## Features

This product exceeds Shaw's rigorous testing standards — including ASTM 1700. Unlike many competitor's PVC finish on similar products, Shaw offers additional value with our OptiClean urethane finish.

- Wood visual in 7" x 48" plank with embossed surface texture
- Up-to-date styling and color
- Virgin vinyl that's durable and easy to clean
- 2-mm thickness
- 8-mil wear layer
- 15-year residential warranty
- Recommended adhesive **Shaw 200 TPS**  
 4 Gallon Pail — style # 126VS  
 1 Gallon Pail — style # 152VS

## Colors



220 Dutch



600 Tropic



620 Universal



700 Ashville



355 Spice Box



450 Foundry



\*520 Shadow

\*One new color for 2013

## Specifications

<b>Style</b>	<b>VPS81</b>
Size	7" x 48"
Thickness	2mm
Wear Layer	8 mil
Finish	Polyurethane
Installation	Direct Glue



This Shaw Luxury vinyl is warranted not to stain or wear through, will not fade as a result of direct sunlight or artificial light and will resist water damage under normal use conditions for 15 years.



This Shaw Luxury vinyl carries a 5 year Light commercial warranty.



This Shaw product can be installed above, on or below ground level.



Array's easy to clean surface that offers additional stain resistance.



## 1. MANUFACTURER

### Roppe Corporation

1602 N. Union Street  
P.O. Box 1158  
Fostoria, Ohio USA 44830-1158  
t: (419) 435.8546 | tf: (800) 537.9527  
f: (419) 435.1056  
E-mail: [sales@roppe.com](mailto:sales@roppe.com) | Internet: [www.roppe.com](http://www.roppe.com)

## 2. PRODUCT DESCRIPTION

Low cost and good looks highlight Roppe's Type TV thermoplastic vinyl base. It's extremely durable without sacrificing attractiveness and very economical because it's made from PVC vinyl.

### Available Styles (All Dimensions Nominal)



**Profile:** Standard Cove  
**Gauge:** 0.080" (2 mm) or 1/8" (3.2 mm)  
**Heights:** 2 1/2" (63.5 mm), 4" (101.6 mm) or 6" (152.4 mm)  
**Lengths:** 48" (1.22 m) Pieces & 120' (36.58 m) Coils  
**Factory Corners:** Inside & Outside Corners in 2 1/2" (63.5 mm), 4" (101.6 mm), 6" (152.4 mm) heights with 3" (76.2 mm) returns



**Profile:** Standard No Toe  
**Gauge:** 0.080" (2 mm) or 1/8" (3.2 mm)  
**Heights:** 2 1/2" (63.5 mm), 4" (101.6 mm) or 6" (152.4 mm)  
**Lengths:** 48" (1.22 m) Pieces & 120' (36.58 m) Coils  
**Factory Corners:** Outside Corners in 2 1/2" (63.5 mm) or 4" (101.6 mm) heights with 3" (76.2 mm) returns

## 3. TECHNICAL DATA

**ASTM F 1861** - Type TV, Group 1, Styles A & B  
**ASTM E 648, Critical Radiant Flux** - Class 1 >.45 W/cm<sup>2</sup>  
**ASTM E 662, Smoke Density** - Passes <450  
**ASTM E 84, Surface Burning** - Class B

According to the BOCA (Building Officials & Code Administrators International Inc.) codes and the NFPA (National Fire Protection Agency), Accessories are considered incidental trim. According to these sections, any incidental trim not in excess of 10% of the aggregate wall and ceiling area of any room or space may be Class C material in occupancies where interior finish of Class A or Class B is required.

## 4. LIMITATIONS

Roppe Vinyl Wall Base is for indoor use only. Do not install on any surface exposed to moisture or extreme temperature changes. Do not install in areas subject to vegetable or petroleum based oils & greases.

## 5. INSTALLATION

### General Preparation and Conditioning

Allow all trades to complete work prior to installation of AlphaBase. Deliver all materials to the installation location in its

original packaging with labels intact. Maintain the installation area, material, and adhesive between 65° F (18° C) and 85° F (30° C) for at least 48 hours before installation, during installation, and after the installation.

### Wall Surface Inspection

Use only on structurally sound interior wall surfaces such as dry plaster, cured drywall, exterior grade plywood (Group 1, CC type), concrete and masonry that is clean, smooth, dry and structurally sound. All surfaces must be free from moisture, alkali, old adhesive, dust dirt, wax, oil, grease, loose paint or plaster, nonporous wall coverings or paints and other extraneous coatings or materials that could prevent a successful bond. Any rough or uneven surfaces may telegraph through the wall base. Follow the manufacturer's recommendations for any patching materials.

### Adhesive for Porous Substrates

**1100 Wall Base Adhesive** is a premium solvent free Acrylic adhesive with aggressive wet suction grip for all Roppe Wall Base products. Coverages are described on the 1100 Wall Base Adhesive quick spec.

### Adhesive for Non-Porous Substrates

Use a premium contact adhesive for installation over all non-porous substrates such as metal, FRP panels, etc.

## 6. MAINTENANCE

Do not clean, rub or apply lateral or vertical pressure to the Vinyl Wall Base for at least 72 hours after the installation is complete to allow the adhesive to properly cure. AlphaBase can be routinely cleaned by wiping with a soft cloth slightly dampened with warm water or by using a properly diluted neutral pH cleaner. Some disinfectants, cleaning agents, floor maintenance products and pesticides may stain or damage the surface of the Vinyl Wall Base. If applying finish to flooring, take necessary precautions to keep finish from the Vinyl Wall Base. If applying finish to the Vinyl Wall Base, test inconspicuous area first for compatibility.

## 7. AVAILABILITY AND COST

Products are available through Roppe distributors. Contact Roppe Customer Service (800) 537-9527 or [www.roppe.com](http://www.roppe.com)

## 8. TECHNICAL ASSISTANCE

Technical service information and assistance may be obtained by calling Roppe Customer Service at 1-800-537-9527, or by visiting [www.roppe.com](http://www.roppe.com)

## 9. SAMPLES

Obtain samples by calling Roppe Customer Service at 1-800-537-9527, or by visiting [www.roppe.com](http://www.roppe.com)

## 10. LIMITED WARRANTY

Limited two (2) Year Manufacturer's Warranty

**For complete substrate preparation, installation and/or maintenance instructions please visit [www.roppe.com](http://www.roppe.com)**