



THE ULTIMATE
FLOORING EXPERIENCE

Section 096519 RESILIENT RUBBER TILE FLOORING

THIS DOCUMENT IS INTENDED AS A SUGGESTED GUIDE FOR CREATING, MODIFYING, OR EDITING YOUR 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 Rubber Stair Treads.

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. Installation Qualification: Contractors for floor covering installation should be experienced in managing commercial flooring projects and provide professional installers, qualified to install

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the various flooring materials specified. An installer is “qualified” if trained by Tarkett or a certified INSTALL (International Standards & Training Alliance) resilient floor covering installer.

- B. 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 SHEET FLOORING

Manufacturer:

Tarkett, Inc.

30000 Aurora Rd.

Solon, Ohio 44139

Web: www.tarkettna.com

E-mail: info@johnsonite.com

Phone:

(800) 899-8916

(440) 543-8916

2.2 JOHNSONITE CIRCULINITY RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**FastLane**] [**Tricycle**] [**Round-A-Bout**] [**Tic-Tac-Toe**] or [**Effervescent**].
- B. Classification specify: ASTM F1344, [**Type I-A, homogeneous solid color rubber tile**].
- C. Thickness: **0.125 inch (3.17 mm)**.

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- D. For size specify: [24 in. x 24 in. (61cm x 61 cm)] <Insert dimensions>
- E. Colors and Patterns: [As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of industry colors] <Insert colors and patterns>.
- F. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 - 7. Size/Squareness Tolerance (ASTM F2055): Passes
 - 8. Dimensional Stability (ASTM F2199): Passes
 - 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 - 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 - 11. Limited Commercial Warranty: 5 years

2.3 JOHNSONITE MICROTONE RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [MicroTone].
- B. Classification specify: ASTM F1344, [Type I-B, homogeneous through mottled rubber tile].
- C. For thickness specify: [0.080 inch (2 mm)] or [0.125 inch (3.17 mm)] <Insert thickness>
- D. For size specify: [24 in. x 24 in. (61cm x 61 cm)] <Insert dimensions>
- E. Colors and Patterns: [As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of industry colors] <Insert colors and patterns>.
- F. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 - 7. Size/Squareness Tolerance (ASTM F2055): Passes
 - 8. Dimensional Stability (ASTM F2199): Passes
 - 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 - 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 - 11. Limited Commercial Warranty: 5 years

2.4 JOHNSONITE MINERALITY RUBBER TILE/PLANKS <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [Strata] or [Grains].

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- B. Classification specify: ASTM F1344, [**Type I-B, homogeneous through mottled rubber tile**].
- C. Texture: Leather
- D. For thickness specify: [**0.125 inch (3.17 mm)**] <Insert thickness>
- E. For **Grains** size specify: [**6 in. x 48 in. (15.2 cm x 121.9 cm)**] <Insert dimensions>
- F. For **Strata** size specify: [**12 in. x 24 in. (30.5 cm x 61 cm)**] <Insert dimensions>
- G. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- H. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 - 7. Size/Squareness Tolerance (ASTM F2055): Passes
 - 8. Dimensional Stability (ASTM F2199): Passes
 - 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 - 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 - 11. Limited Commercial Warranty: 5 years

2.5 JOHNSONITE MESTO CONFIGURATIONS RUBBER TILE/PLANKS <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**Mesto Configurations**].
- B. Classification specify: ASTM F1344, [**Type I-B, homogeneous through mottled rubber tile**].
- C. Texture: Hammered
- D. For thickness specify: [**0.080 inch (2 mm)**] or [**0.125 inch (3.17 mm)**] <Insert thickness>
- E. For **tiles** specify: [**6 in. x 6 in. (15.2 cm x 15.2 cm)**] [**12 in. x 12 in. (30.5 cm x 30.5 cm)**] or [**24 in. x 24 in. (61cm x 61 cm)**] <Insert dimensions>
- F. For **planks** specify: [**6 in. x 24 in. (15.2 cm x 61 cm)**] or [**12 in. x 24 in. (30.5 cm x 61 cm)**] <Insert dimensions>
- G. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- H. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$

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7. Size/Squareness Tolerance (ASTM F2055): Passes
8. Dimensional Stability (ASTM F2199): Passes
9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
11. Limited Commercial Warranty: 5 years

2.6 JOHNSONITE PRIMA RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**Prima Olio**] or [**Prima Marbleized**].
- B. Classification specify: ASTM F1344, [**Type I-B, homogeneous through mottled rubber tile**].
- C. Texture: [**Hammered**] [**Rice Paper**] or [**Smooth**]
- D. For thickness specify: [**0.125 inch (3.17 mm)**] <Insert thickness>
- E. For size specify [**12 in. x 12 in. (30.5 cm x 30.5 cm)**] <Insert dimensions>
- F. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- G. Test data:
 1. Hardness (ASTM D2240): ≥ 85 Shore A
 2. Abrasion Resistance (ASTM D3389): Passes
 3. Thickness Tolerance (ASTM F386): Passes
 4. Resistance to Chemicals (ASTM F925): Passes
 5. Static Load Resistance (ASTM F970): 250 psi
 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 7. Size/Squareness Tolerance (ASTM F2055): Passes
 8. Dimensional Stability (ASTM F2199): Passes
 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 11. Limited Commercial Warranty: 5 years

2.7 JOHNSONITE METALLURGY RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**Metallurgy**].
- B. Classification specify: ASTM F1344, [**Type I-B, homogeneous through mottled rubber tile**].
- C. Texture: Hammered
- D. For thickness specify: [**0.125 inch (3.17 mm)**] <Insert thickness>
- E. For size specify: [**24 in. x 24 in. (61 cm x 61 cm)**] <Insert dimensions>
- F. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- G. Test data:

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1. Hardness (ASTM D2240): ≥ 85 Shore A
2. Abrasion Resistance (ASTM D3389): Passes
3. Thickness Tolerance (ASTM F386): Passes
4. Resistance to Chemicals (ASTM F925): Passes
5. Static Load Resistance (ASTM F970): 250 psi
6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
7. Size/Squareness Tolerance (ASTM F2055): Passes
8. Dimensional Stability (ASTM F2199): Passes
9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
11. Limited Commercial Warranty: 5 years

2.8 JOHNSONITE ECO-NATURALS RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**EcoShell with Cork**] or [**CorkTones**].
- B. Classification specify: ASTM F1344, [**Type I-B, homogeneous through mottled rubber tile**].
- C. Texture: Hammered
- D. For thickness specify: [**0.125 inch (3.17 mm)**] <Insert thickness>
- E. For size specify: [**24 in. x 24 in. (61cm x 61 cm)**] <Insert dimensions>
- F. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- G. Test data:
 1. Hardness (ASTM D2240): ≥ 85 Shore A
 2. Abrasion Resistance (ASTM D3389): Passes
 3. Thickness Tolerance (ASTM F386): Passes
 4. Resistance to Chemicals (ASTM F925): Passes
 5. Static Load Resistance (ASTM F970): 250 psi
 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 7. Size/Squareness Tolerance (ASTM F2055): Passes
 8. Dimensional Stability (ASTM F2199): Passes
 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 11. Limited Commercial Warranty: 5 years

2.9 JOHNSONITE DEFIANT OIL & GREASE RESISTANT RUBBER TILE <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**Defiant**].
- B. Classification specify: ASTM F1344, [**Type I-A, homogeneous solid color**] or [**Type I-B, homogeneous through mottled**].
- C. Textures for **solid** and **speckled colors** specify: [**Hammered**] or [**Raised Round**]

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- D. Texture for **marbleized colors** specify: [**Hammered**]
- E. For thickness specify: [**0.125 inch (3.17 mm)**] <Insert thickness>
- F. For **solids** and **speckled** size specify: [**24 in. x 24 in. (61cm x 61 cm)**] <Insert dimensions>
- G. For **marleized** size specify : [**12 in. x 12 in. (30.5 cm x 30.5 cm)**]
- H. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- I. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 - 7. Size/Squareness Tolerance (ASTM F2055): Passes
 - 8. Dimensional Stability (ASTM F2199): Passes
 - 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 - 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)
 - 11. Limited Commercial Warranty: 5 years

2.10 JOHNSONITE SOLID RUBBER TILE TEXTURES <Insert drawing designation>

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Johnsonite; [**Bamboo Tile**] [**Brushed Tile**] [**Concrete Tile**] [**Diamond Tile**] [**Cubis Tile**] [**Fastlane Tile**] [**Flagstone Tile**] [**Hammered Tile**] [**Leather Tile**] [**Raised Round Tile**] [**Raised Square Tile**] [**Rice Paper Tile**] or [**Smooth Tile**].
- B. Classification specify: ASTM F1344, [**Type I-A, homogeneous solid color rubber tile**].
- C. Thickness/Wearlayer: **0.125 inch (3.17 mm)**.
- D. For size specify: [**24 in. x 24 in. (61cm x 61 cm)**] <Insert dimensions>
- E. Colors and Patterns: [**As indicated by manufacturer's designations**] [**Match Architect's sample**] [**As selected by Architect from full range of industry colors**] <Insert colors and patterns>.
- F. Test data:
 - 1. Hardness (ASTM D2240): ≥ 85 Shore A
 - 2. Abrasion Resistance (ASTM D3389): Passes
 - 3. Thickness Tolerance (ASTM F386): Passes
 - 4. Resistance to Chemicals (ASTM F925): Passes
 - 5. Static Load Resistance (ASTM F970): 250 psi
 - 6. Resistance to Heat (ASTM F 1514): $\Delta E \leq 8$
 - 7. Size/Squareness Tolerance (ASTM F2055): Passes
 - 8. Dimensional Stability (ASTM F2199): Passes
 - 9. Static Coefficient of Friction (ASTM D 2047): ≥ 0.8 SCOF
 - 10. Flamability (ASTM E648, Critical Radiant Flux): Class 1 (≥ 0.45 W/cm²)

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11. Limited Commercial Warranty: 5 years

2.11 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. Tarkett 965 Flooring and Tread Adhesive
 - 2. Tarkett 975 Two-Part Urethane Adhesive
 - 3. Tarkett 996 Two-Part Epoxy Adhesive
 - 4. Tarkett 901 SpraySmart Adhesive

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 Tarkett written instructions to ensure proper adhesion of Resilient Flooring.
 - 1. Prepare concrete substrates in accordance with ASTM F 710.
 - a. Concrete treads must be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening or parting compounds, alkaline salts, excessive carbonation or laitence, mold, mildew, and other foreign materials that may affect dissipation rate of moisture from the concrete, discoloration or adhesive bonding.
 - b. 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.
 - 2. Wood subfloors must be rigid, free of movement.
 - a. Single wood and tongue and groove subfloors should be covered with ¼" (6.4 mm) or ½" (12.7 mm) APA approved underlayment plywood.
 - b. 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.

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- C. 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.
- D. 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. Resilient Rubber Floor Tile:
 - 1. Install with Johnsonite adhesive specified for the site conditions and follow adhesive label for proper use.
 - 2. 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.
 - 1. No traffic for 24 hours after installation.
 - 2. No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- D. Wait 72 hours after installation before performing initial cleaning.
- E. A regular maintenance program must be started after the initial cleaning.

END OF SECTION 09.65.19