

Roundel® & CityScape™ Rubber Floor Tile

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1 **Proprietary Product:** Resilient Rubber Floor Tiles - A.D.A. Compliant

1.2 **Manufacturer:**

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1.3 **Proprietary Product Description**

1.3.1 **Construction:** Johnsonite Rubber Floor Tiles are manufactured from a homogeneous composition of 100% synthetic rubber, high quality additives, and colorants to meet the performance requirements of ASTM F 1344, Class 1-A and 1-B Standard Specification for Rubber Floor Tile.

Johnsonite Rubber Floor Tiles are designed for interior applications only and not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials (e.g.: commercial kitchens). Johnsonite rubber floor tiles require the use of chair pads in work station and similar high use caster wheel environments. Johnsonite rubber floor tiles are not warranted against cuts or lack of protection under caster wheels.

1.3.2 **Styles:**

RT-Rd - Roundel Round Raised Disk Pattern Rubber Tile, .125" (3.17 mm) and .155" (4.00 mm) thicknesses, Specify RTSP for speckled tile. (Not available in 12" x 12")

RT-Sq - Roundel Square Raised Disk Pattern Rubber Tile, .125" (3.17 mm) and .155" (4.00 mm) thicknesses, specify RTSP for speckled tile. (Not available in 12" x 12")

RET - Roundel Smooth Accent Rubber Tile, .100" (2.54 mm) and .130" (3.30 mm) thicknesses

C-Smooth - Smooth Surface Rubber Landing Tile, .125" (3.17 mm) thickness

C-Diamond - Diamond Surface Rubber Landing Tile, .187" (4.76 mm) thickness

FRT - Flagstone (Slate Surface) Rubber Floor Tile, .125" (3.17 mm) thickness, specify FRTSP for speckled tile

HRT - Hammered Surface Rubber Floor Tile, .125" (3.17 mm) thickness, specify HRTSP for speckled tile

CSH - Hammered Surface, Speckled Rubber Floor Tile, 2 mm (.079") thickness, 12" x 12" (30.5 cm x 30.5 cm), 52 tiles per

carton (52 sq. ft.) (4.8 sq. m.), 24" x 24" (61 cm x 61 cm), 12 tiles per carton 48 sq. ft. (4.4 sq m)

WRT - Weathered (Grained Surface) Rubber Floor Tile, .125" (3.17 mm) thickness, Specify WRTSP for speckled tile

BMRT-Bamboo Rubber Floor Tile, .125" (3.17 mm) thickness, (Not available in 12" x 12")

CBMRT - Chopped Bamboo Rubber Floor Tile, .125" (3.17 mm) thickness (Not available in 12" x 12")

CRT - Cubis Rubber Floor Tile, .125" (3.17 mm) thickness (Not available in 12" x 12")

ART - Artistic Square Rubber Floor Tile, .125" (3.17 mm) thickness (Not available in 12" x 12")

PRT - Pebbles Rubber Floor Tile, .125" (3.17 mm) thickness (Not available in 12" x 12")

CFL - Circulinity **Fast Lane™** Rubber Tiles, .125" (3.17 mm) thickness (Not available in 12" x 12")

CRB - Circulinity **Round-A-Bout™** Rubber Tiles, .125" (3.17 mm) thickness (Not available in 12" x 12")

CTR - Circulinity **Tricycle™** Rubber Tiles, .125" (3.17 mm) thickness (Not available in 12" x 12")

CTT - Circulinity **Tic-Tac-Toe™** Rubber Tiles, .125" (3.17 mm) thickness (Not available in 12" x 12")

CEF - Circulinity **Effervescent™** Rubber Tiles, .125" (3.17 mm) thickness (Not available in 12" x 12")

1.3.3 **Physical Characteristics:**

Tile Size and Packaging:

- 24" x 24" (61 cm x 61 cm), .125" and .100" thick— 8 tiles per carton [32 ft² (2.9 m²)]
- 24" x 24" (61 cm x 61 cm), .155" and .130" thick – 6 tiles per carton [24 ft² (2.2 m²)]
- 12" x 12" (30.5 cm x 30.5 cm), 40 tiles per carton 40 ft² (3.7 m²)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 **Tensile Strength:** ASTM D 412 > 1200 PSI

2.2 **Hardness:** ASTM D 2240 – Not less than 85 Shore A

2.3 **Abrasion Resistance:** ASTM D 3389 <1.0 gm weight loss

2.4 **Slip Resistance:** ASTM D 2047 – Meets or Exceeds a static coefficient of friction of 0.8

2.5 **Color Heat Stability:** ASTM F 1514 < 8.0 ΔE

2.6 **Acoustical:** ASTM E- 492 Impact Insulation Class – 40 IIC (Test performed with 1/8" thick tiles)

2.7 **Static Load Limit:** ASTM F 970 – Passes at 250 PSI / Modified weight - passes at 1000 PSI

2.8 **Fire Resistance:**

- 2.8.1 ASTM E 648/NFPA 253 (Critical Radiant Flux), Class 1
- 2.8.2 ASTM E 662/NFPA 258 (Smoke Density), less than 450

2.9 **Chemical Resistance:** ASTM F 925, Passed - 5% Acetic acid, 70% Isopropyl alcohol, Sodium hydroxide solution (5% NaOH), Hydrochloric acid solution (5% HCl), Sulfuric acid solution (5% H₂SO₄), Household ammonia solution (5% NH₄OH), Household bleach (5.25% NaOCl), Disinfectant cleaner (5% active phenol)

3. INSTALLATION

3.1 The installation of Johnsonite Rubber Floor Tiles should not begin until the work of all other trades has been completed, especially overhead trades. The areas to receive flooring materials shall be clean and fully enclosed. The area should be maintained at a minimum of 65° F and a maximum of 75° F for 48 hours before the installation, during the installation and for 48 hours after the installation is completed. The flooring materials and adhesives shall be conditioned in the same manner. Wood floors should be double construction with a minimum thickness of 1 inch. Material selection shall be made utilizing ASTM F 1482, Standard Guide to Wood Underlayments Available or Use under Resilient Floors. "Particle or chipboard" type underlayments are not acceptable. The floor must be rigid, free of movement and have at least 18" of well ventilated air space below. Concrete shall be prepared utilizing ASTM F 710, Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring. Floors shall be smooth, flat, permanently dry, clean and free of all foreign material such as dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue. Floor covering shall not be installed over expansion joints. It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. The test shall be in accordance with ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. One test should be conducted for every 1000 sq. ft. of flooring and the results not exceed 3 lbs. per 1000 sq. ft. in 24 hours. If the test results exceed the limitations, the installation must not proceed until the problem has been corrected. The flooring shall be dry laid and inspected by the installer, under normal, occupied lighting conditions, to ensure proper color and fit prior to final adhesive installation.

3.2 Adhesives:

3.2.1 Johnsonite #965 Flooring & Tread Adhesive (water-resistant)

- Porous Substrates: 1/16" square-notched trowel (Approximately 125 sq ft /gal)
- Non-Porous Substrates: 1/16" V-notched trowel (Approximately 145 sq ft /gal)

Important: This adhesive is substrate porosity sensitive. Determine if the substrate is porous or non-porous prior to application of the adhesive and installation of the flooring

products and follow the appropriate instructions.

3.2.2 Johnsonite #996 Two-Part Epoxy Adhesive (water-proof applications)

Application: 1/16" square notched trowel

(Approximately 150 sq. ft/gal)

3.2.3 Johnsonite #975 Two-Part Urethane Adhesive (water-proof applications)

Application: 1/16" square notched trowel

(Approximately 150 sq. ft/gal)

3.3 **Installation Manual:** Refer to Johnsonite Rubber Tile Installation Instructions for complete installation details.

4. AVAILABILITY AND COST

4.1 Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

5.1 Limited 5 year warranty for 2 mm and .125" (3.17 mm) rubber tiles and limited 10 year warranty for .155" (4 mm) rubber tiles. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

6. MAINTENANCE

6.1 72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to Johnsonite Rubber Tile Maintenance Instructions for complete maintenance details.

7. TECHNICAL SERVICES

7.1 **Samples:** Submittal samples for verification and approval available upon request from Johnsonite. Samples shall be submitted in compliance with the requirements of the Contract Documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

7.2 For current Installation and Maintenance Instructions, Product Specifications, and other technical data, visit us on the web at www.johnsonite.com or contact Johnsonite at 1-800-899-8916.