

### Triumph™ Rubber Multi-functional and Sports Floor Tiles

#### 1. PROPRIETARY PRODUCT/MANUFACTURER

1.1 Proprietary Product: Triumph Rubber Multi-functional and Sports Floor Tiles designed specifically for weight room, ice rinks, and other high impact applications. Skate-and-spike resistant product.

#### 1.2 Manufacturer:

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#### 1.3 Proprietary Product Description

1.3.1 Construction: Johnsonite Triumph Rubber Multi-functional and Sports Floor Tiles are manufactured of dual durometer layers composed of 100% synthetic and natural rubber, high quality additives, and colorants to meet the performance requirements of ASTM F-1344, Standard Specification for Rubber Floor Tile.

Johnsonite Triumph Rubber Multi-functional and Sports Floor Tiles are available in Speckled Colorways or Solid Colors. Surface textures include Hammered and Weathered (grained) surface options coupled with the product's unique two-ply vulcanized construction, which incorporates a highly-resilient rubber wear layer and an elastic cushioned performance layer. This tough, abrasion and impact resistant composition has excellent slip-resistant, fatigue, and acoustical characteristics.

All Johnsonite Triumph Rubber Multi-functional and Sports 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).

#### 1.3.2 Physical Characteristics:

- Square Tiles (glue down tiles): 24" x 24" (61 cm X 61 cm), .375" (9.5 mm) thickness, wear layer thickness of 0.090" (2.3 mm), 13.3 lbs (6.0 kgs) per tile, 40 lbs (18 kgs) per carton, 3 tiles per carton [12 ft<sup>2</sup> (1.1 m<sup>2</sup>)], 4 ft<sup>2</sup> per tile
- Interlocking Tile (Loose lay): 23.5" X 23.5" (59.7 cm x 59.7 cm) measures from tab to tab, .375" (9.5 mm) thickness, wear layer thickness of 0.090" (2.3 mm), 12.6 lbs. (5.7 kgs) per tile, 38 lbs (17.2 kgs) per carton, 3 Interlocking tiles per carton [10.5 ft<sup>2</sup> (.99 m<sup>2</sup>)], 3.52 ft<sup>2</sup> per tile

- UnderLock™ Tile (Loose lay): 25.5" X 25.5" (64.8 cm x 64.8 cm) measures from edge to outside of tab, .375" (9.5 mm) thickness, wear layer thickness of 0.090" (2.3 mm), 12.8 lbs (5.8 kgs) per tile, 38 lbs (17.2 kgs) per carton, 3 UnderLock tiles per carton [12 ft<sup>2</sup> (1.1 m<sup>2</sup>)], 4 ft<sup>2</sup> per tile

#### 1.3.3 Styles:

SMH - Triumph Hammered Surface Rubber Multi-functional and Sports Floor Tiles

SMHI - Triumph Hammered Surface Rubber Multi-functional and Sports Floor Interlocking Tiles

SMHU- Triumph Hammered Surface Rubber Multi-functional and Sports Floor UnderLocking Tiles

SMWR - Triumph Weathered Surface Rubber Multi-functional and Sports Floor Tiles

SMWRI - Triumph Weathered Surface Rubber Multi-functional and Sports Floor Interlocking Tiles

#### 2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 Abrasion Resistance: ASTM D 3389 – less than 1 gram weight loss

2.2 Acoustical: ASTM E 492 (Impact Insulation Class) - 46 IIC

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

2.4 Basketball Recovery: DIN 18032 – 99%

2.5 Static Load Limit: ASTM F 970 – Passes at 250 PSI

2.6 Fire Resistance:

2.6.1 ASTM E 648/NFPA 253 (Critical Radiant Flux) Class 1

2.6.2 ASTM E 662/NFPA 258 (Smoke Density), less than 450

2.7 Chemical Resistance: ASTM F 925 – Passes

5% Acetic Acid, 70% Isopropyl Alcohol, 5% Sodium Hydroxide, 5% Hydrochloric Acid, 5% Ammonia, Bleach, 5% Phenol, and Sulfuric Acid.

#### 3. INSTALLATION

3.1 The installation of Johnsonite Triumph Rubber Multi-functional and Sports 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. Floor surfaces shall be smooth, flat, permanently dry, clean and free of all foreign material such as dust, paint, grease, oils, solvent, 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.

To cut and trim the sports floor, equip a table saw with a 10" diameter tungsten carbide or diamond-tipped saw blade with 32 teeth or greater. Install Triumph Speckled Colorways and Solid Color tiles with the arrows on the back of the tile pointing in the same direction and running parallel to each other.

Triumph Solid Color tiles are recommended for accent and border applications and should not be used for full field surface applications.

### 3.2 Adhesives:

3.2.1 **Special note:** Adhesive recommendation is only for the glued down Square Edge tiles. Interlocking tiles and UnderLock tiles are a loose-lay installation.

#### 3.2.2 Johnsonite #965 Flooring & Tread Adhesive

Application: 1/8" x 1/8" x 3/32" U-notched trowel  
(Approximately 85 ft<sup>2</sup> per gallon)

**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.

#### 3.2.3 Johnsonite #975 Two-Part Urethane Adhesive

Application: 1/16" square notched trowel  
(Approximately 150 ft<sup>2</sup> per gallon)

3.2.4 **Installation Manual:** Refer to Johnsonite Triumph Rubber Multi-functional and Sports Floor Tiles 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 wear warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

5.2 **Ice Rink Applications Only:** This product is not warranted

against premature deterioration in specific ice rink applications such as penalty boxes, concession stands, changing rooms, entrances and exits to and from the ice rink itself. It is highly recommended that skate guards be worn in such areas to extend the life of the floor.

## 6. MAINTENANCE

6.1 For glue down Square Edge tiles, 72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to the Johnsonite Triumph Rubber Multi-functional and Sports Floor Tiles maintenance Instructions for complete details.

6.2 For UnderLocking and Interlocking loose-lay tiles, initial maintenance may be implemented immediately after installation.

- For UnderLocking tiles, refer to the UnderLock maintenance instructions for complete details.
- For Interlocking tiles, refer to Triumph Rubber Multi-functional and Sports Floor Tiles maintenance Instructions for complete 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](http://www.johnsonite.com) or contact Johnsonite at 1-800-899-8916.