

### Inertia™ Multi-functional and Sports Floor Tiles

#### 1. PROPRIETARY PRODUCT/MANUFACTURER

1.1 Proprietary Product: Inertia Rubber Multi-functional and Sports Floor Tiles Designed Specifically for Weight Room, Aerobic, and other high impact applications.

1.2 Manufacturer:

Johnsonite, Inc.,  
16910 Munn Road  
Chagrin Falls, Ohio 44023  
Phone: (800) 899-8916  
(440) 543-8916  
Fax: (440) 543-8920  
Tech: Ext 297  
Samples: Ext 299  
Web: www.johnsonite.com  
E-mail: info@johnsonite.com

#### 1.3 Proprietary Product Description

1.3.1 Construction: Construction: Johnsonite Inertia 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, Class 1-A and 1-B Standard, Specification for Rubber Floor Tile.

Johnsonite Inertia Rubber Multi-functional and Sports Floor Tiles are available in Speckled Colorways or Solid Colors. The Hammered surface is coupled with the products unique two-ply vulcanized construction, which incorporates a rubber wear layer and an elastic cushioned performance layer creating an impact resistant composition with excellent slip-resistant, fatigue, and acoustical characteristics.

Johnsonite Inertia 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 Tile: 24" x 24" (61cm X 61cm), .250" (6.4 mm) thick, wear layer thickness of 0.090" (2.3 mm), 8.5 lbs (3.9kgs) per tile, 34 lbs (15.4kgs) per carton, 4 tiles per carton [16 sq ft (1.49 m<sup>2</sup>)]

UnderLock™ Tile: 25.5" X 25.5" (64.8cm x 64.8cm) measures from edge to outside of tab, .250" (6.4mm) thick, wear layer thickness of 0.090" (2.3 mm), 8.5 lbs (3.9kgs) per tile, 34 lbs (15.4 kgs) per carton, 4 tiles per carton [16 sq ft (1.49 m<sup>2</sup>)]

1.3.3 Styles:

INRH - Inertia Hammered Surface Rubber Multi-functional and Sports Floor Tiles

INRHU - Inertia Hammered Surface Rubber Multi-functional and Sports Floor UnderLock Tiles

#### 2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 Abrasion Resistance: ASTM D 3389, less than 1.00 gram weight loss

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

2.3 Color Heat Stability: ASTM F-1514 < 8.0 ΔE

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

2.5 Fire Resistance:

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

2.6 Chemical Resistance: ASTM F 925, Passed –

White vinegar (5% Acetic acid), Rubbing alcohol (70% Isopropyl alcohol), Sodium hydroxide solution (5% NaOH), Hydrochloric acid solution (5% HCl), Sulfuric acid solution (5% H<sub>2</sub>SO<sub>4</sub>), Household ammonia solution (5% NH<sub>4</sub>OH), Household bleach (5.25% NaOCl), and Disinfectant cleaner (5% active phenol).

#### 3. INSTALLATION

3.1 The installation of Johnsonite Inertia 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.

Install Inertia 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.

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.

### 3.2 Adhesives:

#### 3.2.1 Johnsonite #965 Flooring & Tread Adhesive

Porous Substrate: 1/16" square-notched trowel  
(approx 125 sq ft /gal)

Non-Porous Substrates: 1/16" V-notched trowel  
(approx 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 #975 Two-Part Urethane Adhesive

Application: 1/16" square notched trowel (approx. 150 sq. ft/gal)

3.2.3 Installation Manual: Refer to Johnsonite Inertia 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.

## 6. MAINTENANCE

2.1 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 Rubber Tile maintenance instructions for complete details.

2.2 For UnderLocking loose-lay tiles, initial maintenance may be implemented immediately after installation. Refer to the UnderLock 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.