Inertia™ Muti-functional and Sports Floor Tiles

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. Proprietary Product: Inertia Rubber Multi-functional and Sports Floor Tiles Designed Specifically for, Aerobic, Pro Shops, Day Care Centers and other similar applications.

1.2. Manufacturer:

Johnsonite, Inc.	Phone	(800) 899-8916
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1.3. Proprietary Product Description

1.3.1. 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" (6.4mm) thickness, wear layer thickness of 0.090″ (2.3mm), 8.5 lbs (3.9kgs) per tile, 34 lbs (15.4kgs) per carton, 4 tiles per carton [16 ft² (1.49 m²)], 4 ft² per tile

UnderLock™ Tile: 25.5″ X 25.5″ (64.8cm x 64.8cm) measures from edge to outside of tab, .250" (6.4mm) thickness, wear layer thickness of 0.090″ (2.3mm), 8.5 lbs (3.9kgs) per tile, 34 lbs (15.4 kgs) per carton, 4 tiles per carton [16 ft² (1.49 m²)], 4 ft² per tile

UnderLock™ Tile: 25.5" X 25.5" (64.8cm x 64.8cm) measures from edge to outside of tab, .375" (9.5mm) thickness, wear layer thickness of 0.090" (2.3mm), 12.8 lbs (5.8 kgs) per tile, 38 lbs (17.2 kgs) per carton, 3 UnderLock tiles per carton [12 ft² (1.1 m²)], 4 ft² per tile

SlideLock™ Tile: 24.5" x 24.5" (62.2cm x 62.2cm) measures from edge to outside of locking edge, .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 SlideLock tiles per carton [12 ft² (1.1 m²)], 4 ft² per tile

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

INRCFLU - Inertia FastLane Surface Rubber Multi-functional and Sports Floor UnderLock Tile

INRHSL - Inertia Hammered Surface Rubber Multi-functional and Sports Floor SlideLock Tile

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- Abrasion Resistance: ASTM D 3389, less than 1.00 gram weight loss
- Hardness: ASTM D 2240 -
  Top layer – 85 +/- 5 Shore A
  Bottom layer – 70 +/- 5 Shore A
- Slip Resistance: ASTM D 2047 – Meets or Exceeds a static coefficient of friction of 0.8
- Color Heat Stability: ASTM F-1514 < 8.0 ΔE
- Static Load Limit: ASTM F-970 – Passes at 250 PSI
- Fire Resistance:
  - ASTM E 648/NFPA 253 (Critical Radiant Flux) - Class 1
- 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_2SO_4), Household ammonia solution (5% NH_4OH), Household bleach (5.25% NaOCl), and Disinfectant cleaner (5% active phenol).

3. INSTALLATION

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 subfloors must have a minimum 18" (47 cm) of cross-ventilated space between the bottom of the joist and ground. Exposed earth crawl spaces should be sealed with a

polyethylene moisture barrier. Subfloors should meet local and national building codes. Trade associations, such as the APA "The Engineered Wood Association", offer structural guidelines for meeting various code requirements. Single Wood and Tongue and Groove subfloors should be covered with 1/4" (6.4 mm) or 1/2" (13 mm) APA approved underlayment plywood. Use 1/4" (6.4 mm) thick underlayment panels for boards with a face width of 3" (76 mm) or less. For boards wider than 3" (76 mm) face width use 1/2" (13 mm) underlayment panels. Countersink nail heads and fill depressions, joints, cracks, gouges, and chipped edges with a good quality Portland cement based patching compound. Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan, or composite type underlayments.

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. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride or 80% when tested accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes. Surface pH of the concrete should range between 7 and 9. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

3.1. Adhesives:

- Important: adhesives not recommended for UnderLock or SlideLock tiles.
- 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.

- Johnsonite #975 Two-Part Urethane Adhesive:

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

- Installation Manual: Refer to Johnsonite Inertia Rubber Multi-functional and Sports Floor Tiles Installation Instructions for complete installation details.

4. AVAILABILITY AND COST

Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

Limited 5 year wear warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

6. MAINTENANCE

- For glue down Square 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.
- For UnderLocking loose-lay tiles, initial maintenance may be implemented immediately after installation. Refer to the UnderLock maintenance instructions for complete details.
- For SlideLocking loose-lay tiles, initial maintenance may be implemented immediately after installation. Refer to the SlideLock maintenance instructions for complete details.

7. TECHNICAL SERVICES

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.

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.