

### Replay™ Multi-functional and Sports Flooring

#### 1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product:** Replay Rubber Multi-functional and Sports Flooring Designed Specifically for Weight Room, Aerobic, and other high impact applications. Skate and spike resistant product.

#### 1.2. **Manufacturer:**

Johnsonite, Inc.	Phone	(800) 899-8916
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Chagrin Falls, Ohio 44023	Tech:	Ext 9297
Web: www.johnsonite.com	Samples:	Ext 9299
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#### 1.3. **Proprietary Product Description:**

1.3.1. **Construction:** Johnsonite Replay Rubber Multi-functional and Sports Flooring are manufactured from a composition of recycled truck tire crumb rubber encapsulated in a urethane binder. This unique construction creates a tough, abrasion and impact resistant composition with excellent slip-resistant, fatigue, and acoustical characteristics.

Johnsonite Replay Rubber Multi-functional and Sports Flooring is 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. (i.e.: commercial kitchens)

#### 1.3.2. **Styles:**

##### Replay Sheet Flooring

- **COMR** (Commotion):  
1/4" (6.35 mm) thick, 4 ft (1.22 m) wide by 75 ft (22.86 m) rolls; 1.33 lbs /ft<sup>2</sup> (.603 kg/ft<sup>2</sup>)  
3/8" (9.5 mm) thick, 4 ft (1.22 m) wide by 50 ft (15.24 m) rolls; 2.0 lbs /ft<sup>2</sup> (.907 kg/ft<sup>2</sup>)

##### Replay Tile and Interlocking Tile

- **COMT** (Commotion) for square edge glue-down installations:  
3/8" (9.5 mm) thick; 24" x 24" (61 cm x 61 cm), Approximately 9 lbs (4 kgs) per tile
- **COMI** (Commotion) for loose-lay installations:  
3/8" (9.5 mm) thick, 24" x 24" (61 cm x 61 cm), Approximately 9.5 lbs (4.3 kgs.) per tile

#### 2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- **Hardness:** ASTM D 2240 – 65 Shore A
- **Slip Resistance:** ASTM D-2047 – Exceeds Federal Standards and A.D.A. requirements for slip-resistant.
- **Static Load Limit:** ASTM F 970 – Passes at 250 PSI, (modified load) passes at 1000 PSI
- **Abrasion:** ASTM D-3389 < 1.00 gram weight loss
- **Flammability:** ASTM D-2859 Pill Test – Passes with greater

than 1" of un-charred area

- **Chemical Resistance:** ASTM F-925 – 5% Acetic Acid, 70% Isopropyl Alcohol, 5% Sodium Hydroxide, 5% Hydrochloric Acid, 5% Ammonia, Bleach, 5% Phenol, and Sulfuric Acid

#### 3. INSTALLATION

- The installation of Johnsonite Homogenous flooring should not begin until the work of all other trades has been completed, especially overhead trades. Areas to receive flooring shall be clean, fully enclosed, weathertight, and maintained at a temperature between 70°F to 85°F (18°C to 29°C) for 72 hours before, during, and after the installation is completed. The flooring material and adhesives shall be conditioned in the same manner. A minimum temperature of 55°F (13°C) must be maintained after installation.
- In areas that are exposed to intense or direct sunlight, the product must be protected during the conditioning, installation, and adhesive curing periods, by covering the light source.
- 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 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. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 3 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 75% when tested in 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.
- For best color match on installation requiring more than 1 roll, be sure rolls to be used in same area are of the same lot number. Install rolls in numerical order according to sequence number.
- 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.

- Do not reverse sheet during installation.
- Material installed under heavy dynamic or static loads will require the use of a specialized firm setting adhesive,
  - Johnsonite #975 Two-Part Polyurethane is recommended for these areas.

### 3.1. Adhesives:

- **For standard application – Johnsonite #965 Flooring & Tread Adhesive :**

**Porous Substrates:** 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.

- **For special application – Johnsonite #975 Two-Part Urethane Adhesive:**

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

- ### 3.2. Installation Manual:
- Refer to Johnsonite Replay Rubber Multi-functional and Sports Flooring Installation Instructions for complete installation details.

## 4. AVAILABILITY AND COST

Available through authorized Johnsonite distributors nationwide.

## 5. WARRANTY

Limited 2 year wear warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

**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

- Light foot traffic may be allowed 24 hours after installation.
- No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- Allow at least 72 hours for adhesive to achieve bond before commencing recommended maintenance routine.
- Do not use acetone or similar materials to clean floors. Furniture rests, cart wheels and tires should be made of soft, non-staining rubber and should be large enough to fully dissipate the load. Chair pads are recommended for desk areas. Special hard set adhesive is required in areas where heavy static or dynamic loads will occur.

## 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](http://www.johnsonite.com) or contact Johnsonite at 1-800-899-8916.