

# Johnsonite®

## Power Tape™ Installation System for Wheeled Traffic Transitions

### Installation and Maintenance Instructions

#### Introduction

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Johnsonite Power Tape is a high strength, polyester thread reinforced, double-sided adhesive tape system designed specifically for the installation of Johnsonite Wheeled Traffic Transitions on any suitable interior floor or stair surface.

The Johnsonite Power Tape System is ideal for high-trafficked workplace interiors and public places such as airports, schools, and shopping malls, as well as, other health care, hospitality, retail and office environment applications.

Johnsonite cannot accept any responsibility for the loss or damage that may result from the use of this information, due to processing or working conditions and/or workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests.

The Johnsonite Power Tape System and Johnsonite Wheeled Traffic Transitions are for interior installations only and not recommended for environments where the transitions will be exposed to animal fats, vegetable oils, or petroleum based materials. (i.e.: commercial kitchens)

#### Handling and Storage

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1. Johnsonite Power Tape and Wheeled Traffic Transitions must be site conditioned at room temperature for 24 hours prior to, during, and after the installation. **Temperature must be maintained between 65° and 75°F. (18° and 24°C)**
2. In staircases that are exposed to intense or direct sunlight, the products must be protected during the conditioning and installation periods, by covering the light source.
3. **Johnsonite Power Tape and Wheeled Traffic Transitions are not recommended for exterior use. Exposure to excessive UV rays can result in fading and/or color variation.**

#### General Subfloor Preparations

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1. **All staircases** and floor surfaces must be clean, smooth, and dry. Dust, scale, and loose particles must be removed. The surface must be free of solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, and any other foreign material, which could affect adhesive bonding.

**Do not install** Johnsonite Wheeled Traffic Transitions in environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials (i.e.: commercial kitchens).

2. **Concrete subfloors** must be checked for moisture content. 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.

An adhesion bonding test of the actual materials to be installed should be performed, every 1000 sq. ft. utilizing a 12" x 12" piece of product. The test pieces should remain in place for 72 hours and then evaluated for bond strength to the concrete.

Excessive alkali must be removed by mechanical means (i.e.: bead blasting, sanding or grinding.)

Fill all depressions, cracks, and other surface irregularities with a good quality cementitious underlayment filler or epoxy caulking compound.

3. **Wood staircases** must be firmly nailed and sanded flat. Fill any depressions with a good quality latex patching compound or epoxy caulking compound.

**Johnsonite does not recommend nor warrant installations over existing resilient materials.** All resilient materials and adhesives must be removed prior to installing wheeled traffic transitions.

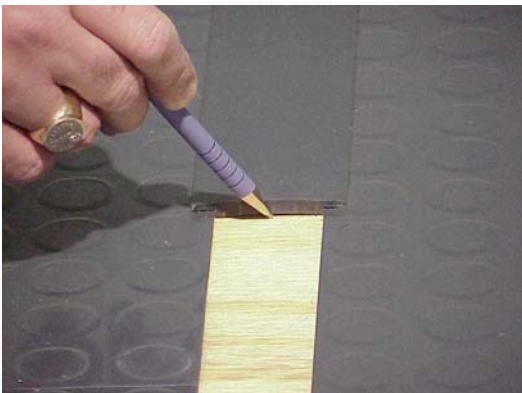
**Caution: Some resilient flooring products and adhesives contain "asbestos fibers" and special handling of this material is required.**

4. **Terrazzo and Ceramic Staircases** - The surface must be thoroughly sanded to remove all glaze and waxes. Remove all loose tiles and clean the grout lines. Fill all grout lines and other depressions with a cementitious leveling compound.
5. **Steel staircases** - The surface must be thoroughly cleaned by sandblasting, wire brush or other mechanical means to remove all rust and other contaminants. Paint the surface with an anti-corrosive coating (i.e.: Sherwin Williams "Kromik Metal Primer" or equivalent) to prevent rust from recurring.

### **Wheeled Traffic Transitional Moulding Installation**

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1. All of Johnsonite's Wheel Traffic Transitional Mouldings are designed to be topset after the flooring materials are fully installed.
2. When transitioning from one flooring surface to another, leave a 1-3/4" (4.45 cm) gap on standard 2-1/2" wide profiles and a 3-1/4" (8.26 cm) gap on 4" wide profiles between the two flooring materials.



3. Loose lay the wheeled traffic transition into the channel between the two flooring materials, abut it snugly against the wall or adjoining piece of transition, and pencil mark the exposed end for initial location, as illustrated left.

4. Next, measure back from the pencil line 1/4" (6.35 mm) and place another pencil line parallel to the initial mark. This line will be the "final installed position" of the transitional profile.



5. After determining the final installed position of the transition, remove the profile from the channel; wipe the back of the profile with denatured alcohol to remove any contaminants picked up during handling, and apply a 1-1/2" wide strip(s) of Power Tape to the back of the profile. Use a single strip on standard 2-1/2" wide wheeled traffic transitional profiles and two strips on 4" wide profiles.

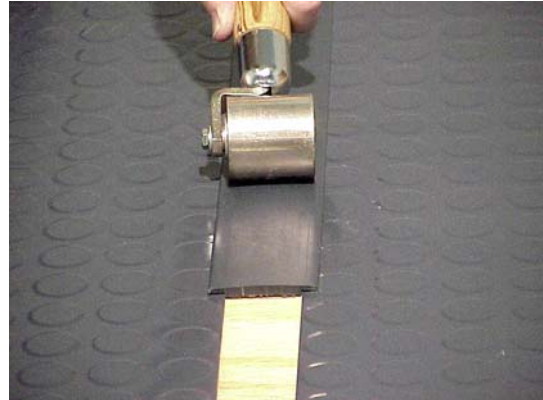
6. Thoroughly roll the tape onto the back of the profile prior to final placement and installation.

7. Reposition the wheeled traffic transitional profile back into the channel. Peel back a foot of the release paper from each end of the profile. Abut the profile firmly against the wall or previously installed piece and press firmly into place.



8. On the opposite end of the profile, align the end of the profile with the second line or the "final installed position" and firmly press the profile into place, as illustrated.

9. After installing a one foot section on each end of the profile, continue to install the profile by alternating from end to end until the profile is completely installed. Upon completion of the installation, thoroughly roll with a 2" J-hand roller to ensure proper adhesion to the substrate.



## Maintenance

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1. Do not perform any maintenance on the product for 24 hours after installation is completed.
2. Thoroughly sweep or vacuum the entire surface area to remove all loose dirt and grit.
3. Prepare a cleaning solution by mixing 1 oz. to 4 oz. of a neutral detergent (pH of 7-8) per gallon of warm water. The dilution selected depends on light to heavy soil conditions.
4. Scrub the resilient moulding surface with the solution using a clean cloth or sponge.

**Note:** For extremely heavy soil conditions, use Clorox's "Soft Scrub" or equivalent and scrub surface with a damp cloth or sponge.

5. Rinse with clean cold water and allow the product to thoroughly dry.
6. If desired, one or two coats of a liquid, acrylic floor finish may be applied to improve gloss level and ease cleaning. Follow manufacturer's directions for application and drying times.

If questions arise that have not been addressed in the brochure, contact your local Johnsonite distributor for assistance or Johnsonite Customer Service at 1-800-899-8916.

# Johnsonite®

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