

# Johnsonite®

## Power Tape™ Installation System for Vinyl Stair Nosings

### 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 Vinyl Stair Nosings 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 Vinyl Stair Nosings are for interior installations only and not recommended for environments where the stair nosings 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 Vinyl Stair Nosings 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 Vinyl Stair Nosings 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 Stair Nosings 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.

**Important: When using epoxy caulking compound as a patching compound, the compound must be sanded prior to installation of stair nosings to ensure proper adhesive bonding.**

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 stair nosings.

**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.

## **Vinyl Nosing Installation**

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1. If the shape of the step does not conform to the shape of the stair nosing and cannot be altered to conform, then we do not recommend the installation of our products. Do not attempt an installation of the stair nosing unless a tight fit can be obtained, especially at the point where the nose of the product meets the step edge.
2. **Johnsonite Stair Nosings must be trimmed to fit the width of the stair step and dry laid on each step prior to adhesive tape application and installation.**

**It is the installer's responsibility to inspect the dry laid installation and notify the appropriate authority of any imperfections, irregularities, or color variation prior to final adhesive installation.**

3. Since each step on a staircase varies slightly in width, Johnsonite recommends measuring each stair step to ensure proper fit of the stair nosing to the respective step.
4. Measure the width of the step at approximately 1 inch back from the leading edge of the stair step nosing and 1 inch down on the riser. Transfer these measurements onto the stair nosing and use a straight edge and utility knife to cut the stair nosing to the proper length.

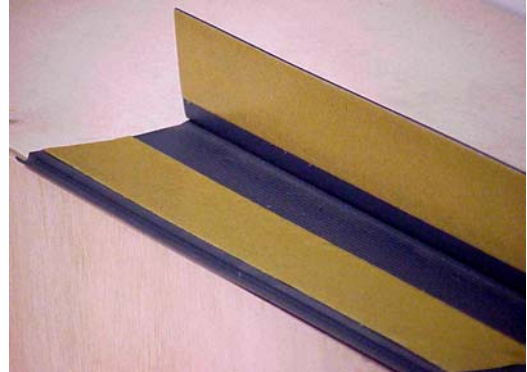
Number the precut stair nosing and stair step to ensure proper placement during installation.

**Note:** For large projects, utilize a 10" diameter 84 tooth carbide tip saw blade attached to a table or radial arm saw to cut the products to length.

5. Prior to applying Power Tape, wipe the entire back of the stair nosing profile with denatured alcohol to remove any contaminants which may have been picked up during the dry cutting and fitting process which may interfere with proper adhesive bonding.
6. Apply a 1-1/2" wide strip of Power Tape across the entire width of the nose portion of the stair nosing. Keep the tape in line with the bottom edge of the nose. Keep the tape 1/2" away from the internal angle of the nosing portion of the stair nosing, as illustrated.

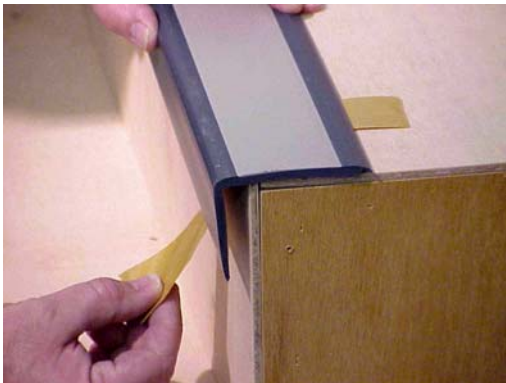
Next, apply another 1-1/2" wide strip of Power Tape across the entire width of the tread portion of the stair nosing.

For standard nosings apply the tape approximately 1/2" back from the internal angle of the stair nose. For visually-impaired (VI) stair nosings, apply the tape approximately 3/4" to 1" back from the internal angle of the stair nose, as illustrated. Thoroughly roll the tape to ensure proper bonding to the back and nosing areas of the stair nosing. Trim off excess Power Tape along the edges of the stair nosing.



7. Gun or knife a bead of Johnsonite #930 Two-Part Epoxy Caulking Compound into the nose of the stair nosing. Care should be taken not to over apply the epoxy caulking compound where the compound will flow into the taped areas and possibly interfere with proper tape adhesion. Apply a sufficient bead of compound to fill the void between the internal angle of the stair nosing and the step edge.

8. Next, peel the release paper back from one end of the stair nosing approximately 3 to 4 inches on each side and fold at a 90 degree angle so that the release paper extends beyond the edges of the stair nosing sides, as illustrated.



9. Position the stair nosing onto the step keeping the nosing portion of the nosing back from the step edge. Remove the release paper from the Power Tape along the nosing area only. Slide the stair tread back and firmly and uniformly press the nose against the step edge. **Do not overlap the stair nosing over any resilient material, adhere directly to step surface.**

10. Thoroughly roll the entire nose surface with a 2" J-hand roller to ensure proper adhesion to the step edge.



11. After thoroughly adhere the nosing portion of the stair nosing to the step edge, lift the back edge of the nosing slightly to relieve any downward pressure on the release paper and using the exposed tab carefully pull the release paper from under the nosing, as illustrated.

12. After the release paper is removed, press the nosing down firmly and uniformly onto the step surface from front to back.

When the nosing is in its final position, roll the nosing surfaces with a hand roller to ensure proper adhesion to the step surfaces. Avoid all traffic for a minimum period of 12 hours after installation.



## **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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