

# JOHNSONITE MILLWORK RESILIENT CHAIR RAIL

## Installation and Maintenance Instructions

### INTRODUCTION

These instructions are written as a guide to be used by professional installers when installing Tarkett products. These instructions, combined with our adhesives and flooring products, create a system. Utilizing this system will ease the installation process and provide the customer with a completed product that will perform to its intended purpose. Always visit [www.tarkettna.com](http://www.tarkettna.com) for the most current installation and maintenance instructions. Technical videos and tip sheets are also available. Contact Tarkett Technical Services at (800)-899-8916 ext. 9297 with any questions.

### HANDLING AND STORAGE

1. All Tarkett products must be stored in an indoor, climate controlled space and be protected from the elements. Temperature must be maintained between 65°F (18.3°C) and 85°F (29.4°C) with a relative humidity between 40% and 60%.
2. All cartons must be stored on a dry, flat, level surface. Cartons must be carefully stacked squarely on top of one another and never be stored on edge. Take caution not to over stack the cartons and never double stack pallets. Always protect carton corners from damage by tow-motors and other traffic.
3. Care must be taken not to pull the chair rail excessively when removing it from the carton. **The chair rail will not shrink, but it will relax to its original length, if stretched.**
4. Tarkett flooring and adhesives must be site conditioned at room temperature for 48 hours prior to, during, and after installation. Room temperature must be maintained between 65°F (18.3°C) and 85°F (29.4°C) and the ambient relative humidity must be between 40% and 60%. We strongly recommend the permanent HVAC system be fully operating. **NOTE:** If a system other than the permanent HVAC source is utilized, it must provide proper control of both temperature and humidity to recommended or specific levels for the appropriate time duration as stated above.
5. Once the installation is completed, the service temperature of the space must never fall below 55°F (12.8°C).
6. 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.
7. Tarkett products are not recommended for exterior use. Exposure to excessive UV rays can result in fading, degradation, and/or color variation.
8. The highest quality of materials and workmanship is employed in the manufacture of Tarkett Flooring and careful inspection is made before shipment. A quality installation is the responsibility of the installer. It is the installer's responsibility to verify the accuracy of the order and to ensure the materials are checked for damage, defects, and satisfactory color match. An authorized Tarkett distributor or Tarkett representative must be notified of any defects before installation proceeds. **Tarkett will not pay for labor or material costs claimed on installed materials with visual defects.**
9. Tarkett cannot accept responsibility for any loss or damage that may result due to processing or working conditions and/or workmanship outside our control.
10. Users are advised to confirm the suitability of this product by their own tests.

### GENERAL SURFACE PREPERATION

1. **All walls** must be permanently dry, clean, smooth, and structurally sound. The surface must be free of all dust, loose particles, solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, old adhesive, and any other foreign material, which could affect the installation and adhesive bond to the substrate. Permanent and non-permanent markers, pens, crayons, paint, or similar marking tools used to mark the substrate or the back of the chair rail material will cause migratory staining. Substrate contamination or markings that bleed through the chair rail material causing discoloration or staining are excluded from the Tarkett Limited Warranty. All substrate contaminants must be mechanically removed prior to the installation of the flooring material. **NOTE: Do not use liquid solvents or adhesive removers.**  
Fill all depressions, cracks, and other surface irregularities with a good quality patching compound appropriate for this purpose.
2. **Do not install** Johnsonite Millwork Resilient Chair Rail over vinyl wallcoverings.
3. When installing Johnsonite Millwork Resilient Chair Rail over non-porous or porous surfaces, Tarkett 946 Premium Contact Adhesive must be utilized.
4. Never install Johnsonite Millwork Resilient Chair Rail on surfaces that will be exposed to drastic temperature changes or moisture.
5. **Terrazzo and Ceramic wall** surfaces must be thoroughly sanded to remove all glaze and waxes. Remove or replace all loose tiles and clean the grout lines. Use a Portland cement based leveling compound to fill all grout lines and other depressions.
6. **Steel** wall surfaces must be mechanically abraded to assist with the adhesive bond. The wall must be cleaned to remove all dirt, rust and other contaminants. When applying adhesive the non-porous installation instructions must be followed.

### INSTALLATION

1. **Adhesive Application:** See adhesive chart below and follow adhesive label instructions for proper use.
2. **Equipment Requirements:**
  - ◆ Standard or Sliding Compound Miter Saw equipped with a Carbide tip blade with 80 teeth or greater
  - ◆ Utility knife
  - ◆ Straight edge
  - ◆ Tape measure
  - ◆ Carpenter's square
  - ◆ Slide Bevel & Protractor
  - ◆ Hand roller
  - ◆ Dividers (Crain 380 or equivalent)
3. **Installation Procedures:**
  - a. Pencil mark the wall surface in several areas to establish the required installed position of the chair rail profile on the wall. The Chair Rail Profile is approximately 3" wide, therefore; place a pencil mark on the wall surface to indicate the position of the bottom of the profile, as well as, the top of the profile. Use a straight edge to connect the pencil marks and draw continuous pencil lines on the wall surface parallel to the floor.



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FLOORING EXPERIENCE

- b. Cut the Johnsonite Millwork Resilient Chair Rail to the required lengths using a Standard or Sliding Compound Miter Saw equipped with a Carbide tip blade with 80 teeth or greater.  
**Note:** When butting chair rail seams together, it may be necessary to square cut the factory edge if butt ends do not align.
- c. Be sure to always install the chair rail so the line on the back is on the bottom.
- d. Apply Tarkett 946 Premium Contact Adhesive to both the wall surface and the back of the chair rail. Allow adhesive to thoroughly dry to the touch.

- Note:** Once contact is made to the wall surface, the chair rail cannot be moved.
- e. Carefully position the chair rail on the wall surface and roll with a small hand roller. **Always roll back to starting point to prevent stretching the chair rail.**
- f. Use a clean white cloth dampened with water to remove wet adhesive from chair rail, substrate, floor covering and tools.
- g. Dried adhesive may require the use of denatured alcohol applied to a clean white cloth. (Follow manufacturer's precautions when using denatured alcohol.)

## MILLWORK CHAIR RAIL CORNER INSTALLATION

Johnsonite Millwork Resilient Chair Rail Inside and Outside Corners are fabricated utilizing the same equipment and techniques required for traditional wood chair rail molding profiles. To aid in productivity start the job by determining the degrees of each outside and inside corner, write them on a piece of paper, and label each corner.

### Outside Corners:

1. Position a sufficient length of chair rail on the wall so that it tightly abuts the previously installed section and extends past the corner.
2. Using a pencil, mark the wall corner bend location along the top edge of the chair rail.
3. Set the saw blade angle to the required miter angle for the corner using a protractor.
4. Place the chair rail section against the saw fence or miter guide so the chair rail is lying flat on the machine table with the contoured (show) surface facing up and perpendicular to the saw blade.
5. Cut the chair rail to the proper miter angle. Repeat this procedure for the other side of the corner.
6. Place the two mitered sections of chair rail on the corner and check for proper fit. Trim, if necessary, to obtain a tight fit at the corner.
7. To obtain a tighter and more secure fit between the two mitered sections at the corner, glue the two mitered areas together with Tarkett 946 Premium Contact Adhesive.

8. Apply the adhesive to the ribbed back of one section of the chair rail corner, position the section in place, and roll with a hand roller to ensure proper adhesion to the wall surface.
9. Apply adhesive to the ribbed back of the opposite side of the corner. Attention should be given to a tight and even fit to the corner.

### Inside Corners:

1. Set the saw blade angle to the required miter angle for the corner using a protractor.
2. Place the chair rail section against the saw fence or miter guide so the chair rail is lying flat on the machine table with the contoured (show) surface facing up and perpendicular to the saw blade.
3. Cut the chair rail to the proper miter angle. Repeat the above procedure for the other side of the corner.
4. Place the two mitered sections of chair rail on the inside corner and check for proper fit. Trim, if necessary, to obtain a tight fit at the corner.
5. To obtain a tighter and more secure fit between the two mitered sections at the corner, glue the two mitered areas together with Tarkett 946 Premium Contact Adhesive.
6. Apply the adhesive to the ribbed back of one section of the chair rail corner, position the section in place, and roll with a hand roller to ensure proper adhesion to the wall surface.
7. Apply adhesive to the ribbed back of the opposite side of the corner. Attention should be given to a tight and even fit to the corner.

## ADHESIVE CLEAN UP

**Excess adhesive should be removed during the installation process.**

### 946 Premium Contact Adhesive

- ◆ Use a clean white cloth dampened with water to remove wet adhesive from floor covering and tools.
- ◆ Dried adhesive may require the use of denatured alcohol applied to a clean white cloth. (Follow manufacturer's precautions when using denatured alcohol.)

## MAINTENANCE

1. Wait 72 hours after installation before performing initial cleaning.
2. A regular maintenance program must be started after the initial cleaning.
3. Johnsonite Millwork Resilient Chair Rail is maintained with regular wiping using a wet, clean, soft, white cloth.
4. A mild detergent may be added to the water.
5. Coarse scrubbing media or harsh cleaning chemicals may damage the surface of the chair rail.

## ADHESIVE SELECTION CHART

Products	Adhesive	Application and Coverage		Moisture / pH Limits			Notes
		Porous	Non-Porous	RH%	CaCl <sub>2</sub>	pH	
Johnsonite Millwork Resilient Chair Rail	946 Premium Contact Adhesive	Applied with Brush or Roller	Applied with Brush or Roller	80%	5 lbs.	9	Coverage based on both sides
		1 kg (.95 quart) unit 24 – 36 sq. ft.	1 kg (.95 quart) unit 24 – 36 sq. ft.				
		6 kg (1.44 gallon) unit 144 – 215 sq. ft.	6 kg (1.44 gallon) unit 144 – 215 sq. ft.				



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