

### Resilient Mouldings

#### 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. 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.
4. Once the installation is completed, the service temperature of the space must never fall below 55°F (12.8°C).
5. 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.
6. Tarkett products are not recommended for exterior use. Exposure to excessive UV rays can result in fading, degradation, and/or color variation.
7. 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.**
8. Tarkett cannot accept responsibility for any loss or damage that may result due to processing or working conditions and/or workmanship outside our control.
9. Users are advised to confirm the suitability of this product by their own tests.

#### GENERAL SUBFLOOR PREPERATION

1. **All subfloors** 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 resilient flooring material will cause migratory staining. Subfloor contamination or markings that bleed through the flooring 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.**  
**Caution: Do not use oil based sweeping compounds.**  
Fill all depressions, cracks, and other surface irregularities with a good quality Portland cement based underlayment patching compound appropriate for this purpose.  
**Tarkett does not recommend installing over existing resilient floors.** All existing flooring and adhesives must be mechanically removed prior to installing the new flooring material – **Do not use chemical adhesive removers or solvents.** Refer to the Resilient Floor Covering Institute (RFCI), *Recommended Work Practices for Removal of Existing Resilient Flooring* for best work practices.  
**Caution:** Do not install Johnsonite Resilient Mouldings in areas that are exposed to grease, oil or animal fats.  
**Caution:** Some resilient flooring products and adhesives contain "asbestos fibers" and special handling of this material is required.
2. **Concrete subfloors** must be constructed as recommended by the American Concrete Institute's ACI 302.2 Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials and prepared in accordance with ASTM F 710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.  
**Do not install** Tarkett flooring over expansion joints, control joints, or other moving joints in the substrate. These joints must be respected and should not be filled with products that are not intended for that purpose. Contact an expansion joint cover manufacturer to meet specific flooring conditions.  
**All concrete subfloors** must be tested for moisture and pH (alkalinity):  
Moisture testing must be conducted in accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using *in situ* Probes or ASTM F 1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. Following ASTM F 2659 Preliminary Evaluation of Comparative Moisture Condition of Concrete, Gypsum Cement and Other Floor Slabs and Screeds Using a Non-destructive Electronic Moisture Meter can provide qualitative information prior to performing ASTM F 2170 or ASTM F 1869. Acceptable moisture limits can be found in the adhesive section below, on the adhesive label, and in the adhesive specifications online. Test results must not exceed the limits of the adhesive. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected. Tarkett does not recommend or warrant any particular product or procedure for the remediation of high moisture in concrete substrates. There are

several companies that manufacture products suitable for moisture remediation. We suggest you refer to the current ASTM F 710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring and ASTM F 3010 Standard Practice for Two Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Flooring Systems.

A pH test for alkalinity must be conducted. Acceptable pH range of the adhesive can be found in the adhesive section below, on the adhesive label, and in the adhesive specifications online. Results must not exceed the limits of the adhesive. If the test results are not within the acceptable range, the installation must not proceed until the problem has been corrected.

- 3. 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 must be sealed with a polyethylene moisture barrier.

Subfloors must meet local and national building codes. Trade associations, such as the APA -The Engineered Wood Association, offer structural guidelines for meeting various code requirements. Refer to ASTM F 1482 Standard Practice for Installation and Preparation of Panel Type Underlayments to receive Resilient Flooring, for additional information.

**Single Floor Wood Construction and Tongue and Groove subfloors** must 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 designed for this purpose.

**Do not install over OSB (Oriented Strand Board), particle board, chipboard, lauan or composite type underlayments.**

- 4. Terrazzo and Ceramic floor** surface must be thoroughly sanded to remove all glaze and waxes. Remove or replace all loose tiles and clean the grout lines. Use a good quality Portland cement based leveling compound to fill all grout lines and other depressions.
- 5. Steel floor** surface must be mechanically abraded to assist with the adhesive bond. The floor must be cleaned to remove all dirt, rust and other contaminants that could affect the adhesive or the bond of the flooring material to the substrate. Surface must be primed with a rust inhibitor. It is important to follow the non-porous installation instructions when installing over metal.
- 6. Concrete floors equipped with a radiant heating system:** Turn the heat down to 65°F (18.3°C) for at least 48 hours before installation. Heat may be gradually returned to operating temperature 48 hours after installation. Surface temperature must not exceed 85°F (29.4°).
- 7. An adhesive bond test** must be performed using the actual flooring materials and adhesive to be installed. The test areas must be a minimum of 36" x 36" and remain in place for at least 72 hours and then evaluated for bond strength to the concrete.

## RESILIENT MOULDING INSTALLATION

- 1. Adhesive Application:** See adhesive chart below and follow adhesive label instructions for proper use.
- 2. Installation Procedure:**

### Glue-Down Type

Transitions, Reducers, Edge Guards, Cove Caps, Thresholds, Filler Strips, and Tub Mouldings

- Apply Tarkett 946 Premium Contact Adhesive to the back of the moulding and the wall/floor surface area. Allow adhesive to thoroughly dry to the touch.
- Carefully position and install the moulding. Use a small hand roller and roll the moulding to ensure proper adhesive bond.  
**Note:** Once contact is made to the wall/floor surface, the moulding cannot be moved.
- When adjoining carpet, trim the carpet so that it fills the undercut area of the moulding completely.

### Snap-In Type Transitions

- Johnsonite Snap-In Type Mouldings must be allowed to condition for 24 hours prior to installation. Coiled mouldings must be uncoiled and laid out flat during the conditioning period.
- Install the track base (CDB-OO-A or MT series types) first. CDB-OO-A must be installed with Tarkett 946 Premium Contact Adhesive. MT series track bases can be installed with contact bond adhesive or mechanically fastened with nails or screws.
- Care must be taken when handling and installing snap-in mouldings to eliminate the possibility of stretching the material, which will result in gaps after installation.
- Measure the length required for the application. Cut the moulding slightly larger than the measurement so that it can be compressed into the track, following the installation recommendations.

### Vinyl Corner Bumper Guards

- Johnsonite Corner Bumper Guards must be allowed to condition for 24 hours prior to installation.
- Position and pencil mark the desired installed location of the bumper guard on the wall surface.
- Apply Tarkett 946 Premium Contact Adhesive to the back of the corner bumper guard and the marked wall surface area. The adhesive is ready for installation when it is dry to the touch and does not transfer to the finger.  
Starting at the top, slightly expand the bumper guard legs as that

- Fold back the carpet and apply adhesive to the back of the carpet and to the base surface of the moulding, which will extend under the carpet after installation.
- Allow adhesive to dry, as discussed in step #3.
- Tuck the edge of the carpet into the undercut by bending slightly. Use a tucking tool to force the carpet completely into the undercut. Use a J-roller to smooth out irregularities.

- When adjoining carpet, trim and glue the carpet to the track base mounting leg.
- Position the snap-in moulding over the track base. Install approximately 1 ft. (.3 m) of the snap-in moulding into each end of the track base using a rubber mallet.
- Continue installing the snap-in moulding into the track. Install 2 to 3 feet at a time, alternating from end to end, slightly angling the mallet head back towards the starting point.
- When installing mitered corners, apply contact adhesive to the barbed insert of the snap-in moulding and the channel of the track base. Apply adhesive for 2-3 inches in both directions of the mitered corner. Install as previously discussed.

the inside angle of the bumper guard makes contact to the angle of the wall surface first, then press the legs into place. Continue this procedure until the installation of the bumper guard in completed.

- Note:** Once contact is made to the wall/floor surface, the moulding cannot be moved.
- Use a small hand roller and roll the bumper guard to ensure proper bonding.

### Vinyl Feature Strips

**Note:** Vinyl Feature Strips have a stipple-like grout textured surface on one side and a smooth surface on the opposite side. It is the installer's responsibility to verify which surface is to be the show surface with the specifier or project specifications prior to installation.

- a. Follow the resilient flooring manufacturer's installation instructions for the specific flooring product to be installed. Vinyl Feature Strips must be installed during the resilient flooring material installation.
- b. Prepare the substrate and apply the manufacturer's recommended adhesive for the specific flooring according to the manufacturer's instructions.
- c. **Important:** When Johnsonite Vinyl Feature Strips are installed with resilient flooring materials and adhesives other than those manufactured and approved by Tarkett, Tarkett will assume no responsibility or guarantee the compatibility or adhesion performance of those adhesives.
- d. Following the flooring layout outlined by the project requirements, abut the vinyl feature strip tightly and uniformly along the edge of the resilient flooring material while pressing the feature strip into the adhesive layer. Occasionally lift the edge of the feature strip to ensure adhesive transfer.
- e. Vinyl Feature Strips and the resilient flooring material shall be thoroughly rolled in both directions with the roller, as described, in the resilient flooring manufacturer's installation instructions.
- f. **Maintenance:** Refer to the resilient flooring manufacturer's maintenance requirements.

### Contour Edge Transition Moulding

- a. Mark a pencil line on the floor where the transition is to be installed.
- b. Position and hold the transition along the pencil line and mark the floor every 3" through the holes in the flanges.

### 3. Post Installation Floor Protection:

We recommend that the installation of new flooring material not be performed until all the other trades have completed their work. Proper precautions must be taken during and after the installation process to avoid damage to the newly installed flooring.

#### a. Immediately after installation:

- ◆ All traffic must be restricted for a minimum of 24 hours after installation. The floor may receive immediate traffic when installing with SpraySmart adhesive.
- ◆ All heavy traffic, rolling loads, pallet jacks, and furniture or appliance placement must be restricted for a minimum of 72 hours after installation.
- ◆ Flooring must be swept or vacuumed to remove loose dirt and grit prior to the application of proper floor protection. (Do not trap dirt and grit under floor protection.)
- ◆ Apply floor protection suitable for construction foot traffic such as: undyed heavy Kraft paper, Ram Board, 1/8" Masonite panels, or similar product designed for resilient floor protection.

- c. On concrete floors, drill 5/32" pilot holes in the flange hole locations and secure the transition using 3/16" x 1-1/4" long self-tapping concrete screws.
- d. On wood floors, secure with #10 x 1-1/4" long round head wood screws

#### b. 72 hours after installation:

- ◆ Areas that will receive heavy traffic, rolling loads, pallet jacks, and furniture or appliance placement must be protected with 1/4" thick Masonite or similar wood panels.
- ◆ The floor must be swept or vacuumed prior to the placement of the floor protection panels. (Lightly damp mop if necessary)

**Note:** Do not use plastic or other non-porous materials to protect the newly installed flooring that could prevent the adhesive from drying properly.

## 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 Resilient Mouldings are 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	
Resilient Mouldings	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.				



THE ULTIMATE  
FLOORING EXPERIENCE

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