

# FINISHING ACCESSORIES

### Installation and Maintenance Instructions



THE ULTIMATE FLOORING EXPERIENCE

#### **Resilient Mouldings**

#### **Handling and Storage**

- 1. Johnsonite 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° and 85°F (18° and 30°C) with HVAC system operating. A minimum temperature of 55°F (13°C) must be maintained afterwards. The ambient relative humidity should be between 40% and 60%.
- **2.** 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.
- **3.** The highest quality of materials and workmanship is employed in the manufacture of Johnsonite Flooring and careful inspection is made before shipment. However, 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 Johnsonite distributor or Johnsonite representative must be notified of any defects before installation proceeds.
- 4. Johnsonite cannot accept responsibility for any 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.

#### **General Subfloor Preparation**

 All subfloors must be clean, smooth, flat and dry. 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 installation.
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.

**NOTE:** Contamination on the substrate can cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material. If these contaminants are present on the substrate they must be mechanically removed prior to the installation of the flooring material.

Caution: Do not use liquid solvents or adhesive removers.

Johnsonite does not recommend installing over existing resilient floors. All existing flooring and adhesives must be removed prior to installing the new flooring material. Remove existing adhesive mechanically – do not use chemical adhesive removers or solvents.

Caution: Do not install rubber flooring 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 to receive resilient flooring according to ASTM F 710 "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring".

**Do not install** Johnsonite flooring over expansion joints.

**All concrete subfloors** must be tested for moisture, pH (alkalinity), and proper adhesive bond:

Moisture tests shall be conducted in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" or ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes". Three tests should be conducted for areas up to 1,000 sq. ft. and one additional test should be conducted for each additional 1,000 sq. ft. of flooring.

 Results must not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested to ASTM F 1869, or exceed 80% when tested to ASTM F 2170.

If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

 A pH test for alkalinity must be conducted. Results should range between 7 and 9. If the test results are not within the acceptable range of 7 to 9, the installation must not proceed until the problem has been corrected.

An adhesive bond test should be performed using the actual flooring materials and adhesive to be installed. The test areas should 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.

**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 should be sealed with a polyethylene moisture barrier.

Subfloors should meet local and national building codes. Trade associations, such as the APA -"The Engineered Wood Association", offer structural guidelines for meeting various code requirements.

Single Wood and Tongue and Groove subfloors should 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.

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 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. When applying adhesive the non-porous installation instructions must be followed.
- **6. Concrete floors equipped with a radiant heating system:** Turn the heat down to 65°F (18°C) for at least 48 hours before installation. Heat may be gradually returned to operating temperature 48 hours after installation. Temperature should not exceed 85°F (30°C).



## Resilient Moulding Installation Glue-Down Type:

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

- 1. Apply Johnsonite 946 Premium Contact Adhesive to the back of the moulding and the wall/floor surface area. Allow adhesive to thoroughly dry to the touch. The adhesive will turn from "blue to opaque" when dry.
  - Carefully position and install the moulding. Use a J-roller and hand 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.
- **3.** 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.
- 5. 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.

#### **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-00-A must be installed with Johnsonite 946 Premium Contact Adhesive. MT series track bases can be installed with contact bond adhesive or mechanically fastened with nails or screws.
- 3. 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. Transfer the measurement to the snap-in moulding, but add an additional 1/4" (6.35 mm) to the measurement.
- When adjoining carpet, trim and glue the carpet to the track base mounting leg.
- **6.** 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.
- **8.** 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.

#### **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.
- **3.** Apply Johnsonite 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 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.
- **5.** Use a J-roller and hand 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.)

- 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.
- 2. Prepare the substrate and apply the

- manufacturer's recommended adhesive for the specific flooring according to the manufacturer's instructions.
- Important: When Johnsonite Vinyl Feature Strips are installed with resilient flooring materials and adhesives other than those manufactured and approved by Johnsonite, Johnsonite will assume no responsibility or guarantee the compatibility or adhesion performance of those adhesives.
- **4.** 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.
- **5.** 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.
- Maintenance: Refer to the resilient flooring manufacturer's maintenance requirements.

#### **Contour Edge Transition Moulding:**

- Mark a pencil line on the floor where the transition is to be installed.
- Position and hold the transition along the pencil line and mark the floor every 3"
- through the holes in the flanges.
- 3. 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.
- **4.** On wood floors, secure with #10 x 1-1/4" long round head wood screws.

#### Maintenance

- 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 Resilient Moulding.

For further questions please contact Johnsonite Technical Services Department at 1-800-899-8916.



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