

**UL 1994-Compliant Photoluminescent Egress Path Marking Systems, listed by Underwriters Laboratories, Inc.**

1. Activation: Minimum 1 foot candle (10.8 Lux) of ambient fluorescent lighting per 2012 IBC Section 1024.5 Illumination.
2. Install Safe-T-First photoluminescent egress path marking systems only in locations where an external illumination source is present, is deemed reliable and whose controls are accessible only to authorized personnel. This reliable illumination source is to be energized at all times during building occupancy.
3. Do not use the system where ambient illumination level is less than 1 foot candle (10.8 Lux).
4. Check with your applicable local or national installation codes such as, IBC-International Building Code, to perform periodic visibility test.
5. The mounting height of floor proximity path markers is to be in accordance with local and national codes but is not to exceed 18 inches (45.7 cm) above finished floor height.
6. The spacing between the corner of a change in direction of the path of egress and the luminous segment is not to exceed 4 inches (10.2 cm).

**Handling and Storage**

1. All Tarkett products must be stored indoors and be protected from the elements. 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° and 85°F (18° and 29°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 Tarkett flooring. 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 Tarkett distributor or Tarkett representative must be notified of any defects before installation proceeds.
4. Tarkett 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**

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 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.**

**Tarkett 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** Tarkett flooring over expansion joints.

**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.

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

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** surfaces must be free of all sealers 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** surfaces 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. Surface of slab must not exceed 85°F (29°C) under any condition of use.
7. **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.

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**Recommended Adhesive:** Flexible Corner Guards, Cove Cap, Guidance Strips, and handrail Covers

1. Porous and Non-Porous Surfaces:  
Johnsonite 946 Premium Contact Adhesive  
Apply adhesive with a Brush or Short Nap Roller

**Caution: Allow the adhesive to dry to the touch with no transfer to the finger. Once the adhesive reaches the "dry-to-touch" state, the material must be installed within 45 minutes and immediately rolled.**

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### Safe-T-First Flexible Corner Guard Installation

1. Position and pencil mark the desired installed location of the corner guard on the wall surface.
2. Apply Johnsonite 946 Premium Contact Adhesive to the back of the corner guard and the marked wall surface area. Allow the adhesive to thoroughly dry to the touch.
3. Starting at the top, slightly expand the corner guard legs so that the inside angle of the corner 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 corner guard is complete.

**Note: Once contact is made to the wall surface, the cove cap cannot be moved.**

4. Use a small hand roller and hand roll the corner guard to ensure proper bonding.
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### Safe-T-First Resilient Cove Cap Installation

1. In each corner, measure and pencil mark the wall surface at the height the material is to be flash coved.
2. Strike a chalk line between each point for the top of the cove cap.
3. Apply Johnsonite 946 Premium Contact Adhesive to the back of the cove cap and the wall surface area. Allow the adhesive to thoroughly dry to the touch.
4. Carefully position and install the cove cap.

**Note: Once contact is made to the wall surface, the cove cap cannot be moved.**

5. Use a small hand roller and hand roll the cove cap to ensure proper bonding.
  6. Inside and outside corners should be mitered with a sharp knife or a miter box and hacksaw.
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### Safe-T-First Vinyl Feature Strip Installation

1. 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.
  3. **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 must be thoroughly rolled in both directions with the roller, as described, in the resilient flooring manufacturer's installation instructions.
  6. Maintenance: Refer to the resilient flooring manufacturer's maintenance requirements.
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### Safe-T-First Guidance Strip Installation

1. Position and pencil mark the desired installed location of the guidance strip on the installation surface.
2. Apply Johnsonite 946 Premium Contact Adhesive to the back of the guidance strip and the marked installation surface area. Allow the adhesive to thoroughly dry to the touch.
3. Carefully position and install the guidance strip.

**Note: Once contact is made to the installation surface, the guidance strip cannot be moved.**

4. Use a small hand roller and hand roll the guidance strip to ensure proper bonding.
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### Safe-T-First Handrail Cover Installation

1. Position the handrail cover on the handrail so the photoluminescent strip is centered on the top of the handrail.
  2. Place a pencil mark at each end of the inside and outside edge of the handrail cover.
  3. Strike a chalk line between the pencil lines.
  4. Apply Johnsonite 946 Premium Contact Adhesive to the back of the handrail cover and the marked surface area of the handrail. Allow the adhesive to thoroughly dry to the touch.
  5. Carefully position and install the handrail cover.
  6. **Note: Once contact is made to the handrail surface, the handrail cover cannot be moved.**
  7. Use a J-roller and hand roll the bumper guard to ensure proper bonding.
  8. Inside and outside corners should be mitered with a sharp knife or miter box and hacksaw.
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### 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.)

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## 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 Resilient Moulding.

Visit [www.tarkettna.com](http://www.tarkettna.com) for most current installation and maintenance instructions.  
Contact Tarkett at (800)-899-8916 ext 9297 with any questions.

