

CONDUCTIVE ADHESIVE

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product:** Conductive Acrylic Latex Emulsion Adhesive.

1.2. **Manufacturer:**

Johnsonite, Inc.,
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Chagrin Falls, Ohio 44023
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1.3. **Proprietary Product Description**

1.3.1. **Construction:** Johnsonite Conductive Adhesive is solvent free, nonflammable, adhesive developed for installing Johnsonite's Static Dissipative floorings.

It is extremely hard setting, moisture and alkali resistant, low odor, and zero T.V.O.C. To be use on Concrete (all grades), terrazzo, and suspended plywood subfloors. Porous substrates only

1.3.2. **Physical Characteristics:**

- Base – acrylic latex emulsion
- Color – Black
- Application: 1/16"x1/16"x1/16" trowel
– Coverage – 135 sq. ft. per gallon.
- Open Time – 15-20 minuets depending on temperature, relative humidity, and porosity of floor.
- Drying time – 24 hours.
- Shelf Life – 6 months at 65° F (14° C) to 85° F (30° C) and when stored in unopened, original container in a dry area.

2. INSTALLATION

2.1. **General Installation Requirements:**

- The installation of Johnsonite flooring material should not begin until the work of all other trades has been completed, especially overhead trades. Areas to receive flooring shall be clean, fully enclosed, weathertight, and maintained at a uniform temperature of at least 70° F for 72 hours before, during, and after the installation is completed. The flooring material and adhesives shall be conditioned in the same manner. A minimum temperature of 55° F must be maintained afterwards.
- Floors shall be smooth, flat, permanently dry, clean and free of all foreign material such as dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue.
- Do not install on exterior surfaces subject weather.

2.2. **Application:**

The adhesive film forms the electrical pathway under the flooring material. It is extremely important to ensure a full transfer of adhesive to the material back for proper conductivity. Incomplete transfer will result in improper electrical performance.

- Stir adhesive before use.
- Apply adhesive with the specified notched trowel in a thin, uniform and even coat. Allow the adhesive to set for a few moments. Then apply the floor covering material onto the adhesive film. Flooring material must be placed into wet adhesive.
- Achieve total coverage of adhesive to the back of the floor covering material.
- Roll installed tile with a 100 lb. three-section roller first across the width of the material then the length to ensure proper bond and to break down adhesive ridges and expel any entrapped air while the adhesive is still wet. Use hand roller in area not reached by 100 lb. floor roller.
- Avoid working on newly installed flooring whenever possible.

Ground Procedure: As a rule of thumb floor grounding strips should occur every 500 sq ft of flooring. Embed on-half of the 12" strap into the wet adhesive with the other half extending up the wall. Trowel additional adhesive over the copper strip on the floor. The strip extending up the wall is connected to a known ground by a licensed electrician. When two or more sheets are being installed – a copper strip is required to be laid transversally beneath the sheets about 20 m from each end.

2.3. **Installation Manual:** Refer to Johnsonite's Installation Instruction for complete installation details

3. AVAILABILITY AND COST

3.1. Available through authorized Johnsonite distributors nationwide.

4. WARRANTY

4.1. Limited 5 year warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

5. MAINTENANCE and CLEAN UP

5.1. Remove adhesive

- Remove wet adhesive from flooring and tools with water.
- Remove dry adhesive with mineral spirits applied to clean white cloth. Excessive use of mineral spirits will destroy bond. Observe cautions for using mineral spirits.

5.2. Light traffic may be allowed 24 hours after installation. Ready for heavy traffic and furniture movement in 72 hours.

5.3. Protect from heavy exposure to water and extreme temperature fluctuation for a least 7 days.

6. TECHNICAL SERVICES

For current Installation and Maintenance Instructions, Product Specifications, Material Safety Data Sheet and other technical data, visit us on the web at www.johnsonite.com or contact Johnsonite at (800) 899-8916.

6.1. Adhesives:

6.1.1. Tarkett 940 Two-Part Polyurethane (Wet Set)

1/32"x1/16"x 1/32 trowel – Approximately 180 sq.ft./gal.

Flooring must be installed while adhesive is wet. Roll the floor covering with a 100 lb. three-section roller to break down adhesive ridges and expel any entrapped air while adhesive is still wet. Avoid working on newly installed flooring whenever possible.



6.1.2. For special application – Tarkett 940 Two-Part Polyurethane (Wet Set)

1/32"x1/16"x 1/32 trowel – Approximately 180 sq.ft./gal.

Flooring must be installed while adhesive is wet. Roll the floor covering with a 100 lb. three-section roller to break down adhesive ridges and expel any entrapped air while adhesive is still wet. Avoid working on newly installed flooring whenever possible.