

996 TWO PART EPOXY ADHESIVE

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product:** #996 Two-Part Epoxy Adhesive specifically formulated for installing Johnsonite ComforTech, Defiant, Feature Strips, Rubber Floor Tile, Rubber and Vinyl Stair Treads and Nosings, Tactile Warning Strips, Vinyl Moldings where heavy point loads or topical moisture is an issue.

1.2. Manufacturer:

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1.3. Proprietary Product Description

- Johnsonite #996 Two-Part Epoxy Adhesive is an OSHA Flammability Class IIIB, solvent free, epoxy-polyamide resin adhesive.
- Is high strength adhesive made for installations over porous and non-porous substrates.
- Contains no hazardous or carcinogenic ingredients as defined by OSHA chemicals and meets all federal, state and local air quality regulations.
- Contributes to LEED Certification (E.Q. 4.1: Low-Emitting Materials: Adhesives and Sealants).
Parts A & B: SCAQMD Rule 1168 – VOC compliant
SCAQMD Rule 443.1:
Part A: VOC per liter of materials – Less than 12 gram
Part B: VOC per liter of materials – Less than 12 gram

2. PRODUCT PERFORMANCE and TECHNICAL DATA:

- Color:
Part A: Beige paste
Part B: Beige paste
- Consistency – Soft paste
- Open Time – Approximately 40 minutes to 50 minutes, depending on temperature, relative humidity, and porosity of subfloor.
- Shelf Life – 1 year at 70° F (21° C) to 85° F (30° C) and when stored in unopened, original container in a dry area.

2.1. Application:

Porous Floor and Non-Porous Floor
1/16" x 1/16" x 1/16" 'Square' notch trowel
Coverage – 125 – 150 sq. ft. per gallon.

3. INSTALLATION

3.1. General Installation Requirements:

- The installation of Johnsonite Homogenous flooring 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 temperature between 70°F to 85°F (18°C to 29°C) 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 (13°C) must be maintained after installation.

- 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.
- It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride. Or 80% when tested in accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes. Surface pH of the concrete should range between 7 and 9. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected
- Do not install on exterior surfaces subject to weather.
- Mix all of part "B" into part "A" and mix thoroughly using a 1/2 horsepower drill with a "jiffy mixer" or equivalent until smooth and uniform in color, then mix for another 3-5 minutes. **Adhesive will not cure if not properly mixed.** Immediately after mixing, pour entire contents from container onto floor or step surface. **Adhesive will generate heat and cure prematurely if left in container.**

- Spread adhesive using recommended Trowel (see 2.1 for trowel size). Lay tiles, treads, or nosings immediately into wet adhesive.

Do not slide tiles into place, this will force adhesive out at the seams. Occasionally lift corner of tile or tread to ensure proper transfer of adhesive.

- Immediately after installation, roll entire floor surface with 100-150 lb. sectional roller. Stair treads and nosings shall be rolled with a hand roller. Roll again 1 hour later. Inspect floor 2-1/2 hours after installation and roll a third time, if necessary.

Caution: Epoxy adhesives cannot be removed when dry without damaging floor surface. Remove wet adhesive with a clean cloth dampened with isopropanol, or mineral spirits. (Follow manufacturer's precautions when using isopropanol, or mineral spirits.)

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

4. AVAILABILITY and COST

Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

Limited 1 year warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

6. ADHESIVE CLEAN UP and MAINTENANCE

- Use a clean white cloth dampened with denatured to remove wet adhesive from flooring and tools. (Follow manufacture's precautions when using denatured alcohol.
- Dried adhesive can not be removed without damaging floor surface.

6.1. Traffic:

- Avoid all traffic: for at least 12 hours after installation. Avoid cold or excessive heat, including direct sunlight during this period.
- Restrict traffic to light foot traffic for an additional 12 hours after installation.
- No heavy traffic, rolling loads or furniture placement for 72 hours after installation.
- Wait 72 hours after installation before performing initial cleaning
- A regular maintenance program must be started after the initial cleaning.

7. 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.