965 FLOORING AND TREAD ADHESIVE

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. Proprietary Product: #965 Water Based Latex Flooring and Tread Adhesive specifically formulated for the installation of Johnsonite Roundel Rubber Floor Tiles, Defiant, Feature Strips, Vinyl Moldings, Rubber and Vinyl Stair Treads, Vinyl Stair Nosings, Subfloor Leveler System, Tactile Warning Strips, Multi-functional and Sports Floor Tiles including Inertia, Triumph, and Replay.

1.2. Manufacturer:

Johnsonite, Inc.,	Phone:	(800) 899-8916
16910 Munn Road		(440) 543-8916
Chagrin Falls, Ohio 44023	Tech:	Ext 9297
Web: www.johnsonite.com	Samples:	Ext 9299
E-mail: info@johnsonite.com	Fax:	(440) 632-8920

1.3. Proprietary Product Description

- Johnsonite #965 Flooring and Tread Adhesive is a nonflammable, solvent free, water based latex adhesive.
- Is a 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).
  SCAQMD Rule 1168 – VOC compliant
  SCAQMD Rule 443.1 –
  Less than 10 gram VOC per liter of materials
  Less than 13 gram VOC per liter of coating

2. PRODUCT PERFORMANCE and TECHNICAL DATA:

- Base – Water Base Adhesive
- Color – White Paste
- Open Time – Approximately 15 minuets to 1 hour, 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.
- Freeze thaw up to 5 cycles at 20°F (-7°C)

2.1. Application:

2.1.1. For the installation of Johnsonite Roundel Rubber Floor Tiles, Defiant, Feature Strips, Vinyl Moldings, Rubber and Vinyl Stair Treads, Vinyl Stair Nosings, Subfloor Leveler System, Tactile Warning Strips,
Porous Floor 1/16" x 1/16" x 1/16" 'Square' notch trowel
Coverage – 125 – 150 sq. ft. per gallon.
Non-Porous Floor 1/16" x 1/16" x 1/16" 'V' trowel
Coverage – 150 – 175 sq. ft. per gallon.

2.1.2. For installation of Johnsonite Multi-functional and Sports Floor Tiles including Inertia, Triumph, and Replay.
Porous Floor and Non-Porous Floor
1/8" x 1/16" x 1/8" 'V' notch trowel
Coverage – 75 – 100 sq. ft. per gallon.

3. INSTALLATION

3.1. General Installation Requirements:

- The installation of Johnsonite 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 and stairs 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 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.
- Important: This adhesive is substrate porosity sensitive. Determine if the substrate is porous or non-porous prior to application of adhesive and installation of flooring products and follow the appropriate instructions.
- Stir adhesive before use.

3.1.1. Installation Over Porous Surfaces:

- Spread adhesive using recommended trowel (see 2.1 for trowel size) onto the substrate surface only and wait approximately 5 to 10 minutes to allow the adhesive to flash off.
- Approximately 45 to 60 minutes after product installation, roll rubber tiles or rubber sheet flooring with a 75 to 100 lb. sectional roller. Stair treads and nosings shall be rolled with a hand roller.

3.1.2. Installation Over Non-Porous Surfaces:

- Spread adhesive using recommended trowel (see 2.1 for trowel size) onto the substrate surface only and allow the adhesive to dry to the touch with little or no transfer to the finger. Once the adhesive reaches the "dry-to-touch" state, the flooring material must be installed within 45 minutes and

immediately rolled.

- Rubber tiles or rubber sheet flooring shall be rolled with a 75 to 100 lb. sectional roller. Stair treads and nosings shall be rolled with a hand roller.

3.1.3. Important: If adhesive is allowed to remain uncovered, after the initial drying period, for periods longer than 45 minutes, a loss of adhesion strength will occur. Care should be taken by the installer not to spread more adhesive than can be worked within the 45 minute time frame.

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 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.)

6.1. Traffic:

- Restrict traffic for 24 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.