

965 Flooring and Tread Adhesive

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1 Proprietary Product: #965 Flooring and Tread Adhesive

1.2 Manufacturer:

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1.3 Proprietary Product Description:

1.3.1 Construction: Johnsonite #965 Flooring and Tread Adhesive is a high-strength, water-resistant, solvent-free, water based latex adhesive specifically formulated for the installation of Johnsonite Roundel Rubber Floor Tiles, Triumph and Replay Rubber Multi-functional and Sports Floor Tiles, ComforTech Rubber Sheet Flooring, and Rubber or Vinyl Stair Treads and Nosings on porous or non-porous surfaces where environmental and health concerns require an adhesive with environmentally sensitive characteristics. Johnsonite #965 is recommended over suspended wood floors, dry concrete floors or staircases above, on, or below grade where moisture is not a problem. Follow all manufacturers recommendations and industry standards regarding subfloor preparation. Johnsonite #965 contains no hazardous or carcinogenic ingredients as defined by OSHA, Federal, or State agencies.

This non-flammable adhesive meets all requirements for a Class "A" flame spread per ASTM E-84. The product is not photochemical sensitive as defined by California rules 102 and 443.

1.3.2 Physical Characteristics:

- Base - Water based latex
- Color - "Milky" White
- Weight per Gallon, lbs. - 9.5
- Consistency - Light paste
- Open Time - On non-porous surfaces, allow to dry until tacky to the touch without transfer. Time will be approximately 15 minutes to 1 hour depending on temperature, humidity, and air flow
- Shelf Life - 1 year at 70° F. in unopened container

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 ASTM E 84/NFPA 255 (Steiner Tunnel Test) - Class A

3. INSTALLATION

3.1 The installation of Johnsonite #965 Flooring & Tread Adhesive and flooring materials should not begin until the work of all other trades has been completed, especially overhead trades. Areas to receive flooring products shall be clean, fully enclosed, weathertight, and maintained at a uniform temperature of at least 70° F for 24 hours before, during, and after the installation is completed. The flooring products and adhesive shall be conditioned in the same manner. Wood floors should be double construction with a minimum thickness of 1 inch. Material selection shall be made utilizing ASTM F 1482, Standard Guide to Wood Underlayments Available for Use Under Resilient Floors. "Particle or chipboard" type underlayments are not acceptable. The floor must be rigid, free of movement, and have at least 18" of well ventilated air space below. Concrete shall be prepared utilizing ASTM F 710-86, Practice for Preparing Concrete Floors and other Monolithic Floors to Receive Resilient Flooring. The floor or stair surface 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. The test shall be in accordance with ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. One test should be conducted for every 1000 sq. ft. of flooring and the results not exceed 3 lbs. per 1000 sq. ft. in 24 hours. If the test results exceed the limitations, the installation must not proceed until the problem has been corrected. Do not install on exterior surfaces subject to weather. Do not install flooring products over expansion joints. Cracks and uneven surfaces shall be filled with a quality cementitious patching compound.

3.2 Trowel Application:

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.

Determining substrate porosity: Place a few drops of water on the surface. If the water is absorbed into the substrate within a few seconds, the surface is porous; if it beads up, the surface is non-porous

3.3 Installation Over Porous Surfaces: When installing rubber floor tiles and rubber or vinyl stair treads and nosings use a 1/16" square notch trowel (Approximate coverage 125 sq. ft./gallon)

- For Triumph and Replay Rubber Multi-functional and Sports Floor Tiles use a 1/8" x 1/8" x 3/32" U-notched trowel [Approximate coverage 85 sq. ft. (7.9 m²) per gallon.]
- For ComforTech Checker Rubber Sheet Flooring use an 1/8" x 1/16" x 1/8" V-notched trowel. (Approximate coverage 70 sq. ft./gallon)

- For ComforTech Anthem and Fountain Rubber Sheet Flooring use a 1/16" square-notched trowel (approx. 125 sq. ft./gal)

Trowel the adhesive onto the substrate surface only and allow the adhesive to dry or gas-off for 5 to 10 minutes prior to installing the flooring product into the wet adhesive layer. 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 J-type hand roller.

3.4 Installation Over Non-Porous Surfaces: When installing rubber floor tiles and rubber or vinyl stair treads and nosings use a 1/16" V-notch trowel. (Approximate coverage 145 sq. ft./gallon)

- For Triumph and Replay Rubber Multi-functional and Sports Floor Tiles use an 1/8" x 1/8" x 3/32" U-notched trowel. [Approximate coverage 85 sq. ft. (7.9 m²) per gallon]
- For ComforTech Checker Rubber Sheet Flooring use an 1/8" x 1/16" x 1/8" V-notched trowel. (Approximate coverage 70 sq. ft./gallon)
- For ComforTech Anthem and Fountain Rubber Sheet Flooring use an 1/16" square-notched trowel (approx. 125 sq. ft./gal)

Trowel the adhesive 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 J-type hand roller.

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.

3.5 Installation Manual: Refer to section 3.1 of this document or container label for complete installation details.

4. AVAILABILITY AND COST

4.1 Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

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

6. MAINTENANCE

6.1 Not applicable

7. TECHNICAL SERVICES

7.1 **Samples:** Submittal samples for verification and approval available upon request from Johnsonite. Samples shall be submitted in compliance with the requirements of the Contract Documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

7.2 For current Installation and Maintenance Instructions, Product Specifications, and other technical data, visit us on the web at www.johnsonite.com or contact Johnsonite at 1-800-899-8916.