

Granit® Safe-T

1. PROPRIETARY PRODUCT/MANUFACTURER

- 1.1. **Proprietary Product:** Homogeneous slip retardant sheet floor coverings with aluminum granules, designed for durability and commercial interiors.
- 1.2. **Recommended areas for use:**
- Education – Cafeteria, dining areas, corridors, lavatories, locker rooms (no spikes), ramps, showers, foyers, vestibules, and entryways
 - Offices –corridors, cafeterias, lavatories, foyers, vestibules, and entryways
 - Retail – Entryways and produce areas
 - Healthcare – Corridors, hydro physical therapy, patient corridors, ramps, and scrub rooms.
 - Hospitality – Around whirlpools, spas, and indoor pools, corridors, elevators, vending areas, foyers, vestibules, and entryways
 - Assisted Living – Corridors and lavatories
- 1.3. **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@johnsonit.com | Fax: | (440) 632-8920 |

1.4. Proprietary Product Description

- 1.4.1. **Construction:** Johnsonite's Granit Safe-T features aluminum granules slip retardant particulate suspended evenly throughout the product thickness. Granit Safe-T flooring is composed of a 0.080" (2 mm) reinforced wear layer containing 50% or more binder content that is urethane reinforced to reduce the use of polish or waxes throughout the life cycle of the product.
- 1.4.2. **Styles:**
- Thickness: 0.080" (2.0 mm)
 - Packaging: Available in 6' 6" (2 m) wide and approximately 76' linear feet (23 m) per roll

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- Sheet material meets ASTM F 1913 performance standards for homogeneous single layered vinyl floor covering
- Static coefficient of friction: ASTM D 2047 > 0.6
- Static Load Limit: ASTM F 970 – 250 psi
- Heat Stability by Color Change: ASTM F 1514 – $\Delta E \leq 8$
- Light Stability by Color Change: ASTM F 1515 – $\Delta E \leq 8$
- Electrostatic Propensity (EN 1815): < 2 kV
- Fire Performance:
 - Flooring Radiant Panel: ASTM E 648 – Class 1
 - Smoke Density: ASTM E 662 Less than 450
 - Meets CAN/ULC-S102.2

3. INSTALLATION

Johnsonite 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 30°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%.

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.

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.

Terrazzo and Ceramic floor surface must be thoroughly sanded to remove all glaze 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.

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Steel floor surface 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.

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.

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. Temperature should not exceed 85°F (30°C).

3.1. Adhesives:

- For standard application –
Johnsonite #925 Adhesive for Resilient Flooring:
Approximate Coverage:
Porous Substrate: 150-175 sq. ft.
Non-porous Substrate: 250-300 sq. ft.
- For special application–
Johnsonite #975 Two-Part Polyurethane Adhesive:
Approximate Coverage:
Porous Substrate: 225-250 sq. ft.
Non-porous Substrate: 225-250 sq. ft.
- Johnsonite 130 SpraySmart Adhesive
Approximate Coverage: 150-185 sq ft per 22 oz. can

3.2. Installation Manual: Refer to Johnsonite Installation Instruction for complete installation details.

4. AVAILABILITY AND COST

Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

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

6. MAINTENANCE

- Light foot traffic may be allowed 24 hours after installation.
- No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- Allow at least 72 hours for adhesive to achieve bond before commencing recommended maintenance routine.
- Do not use acetone or similar materials to clean floors. Furniture rests, cart wheels and tires should be made of soft, non-staining rubber and should be large enough to fully dissipate the load. Chair pads are recommended for desk areas. Special hard set adhesive is required in areas

where heavy static or dynamic loads will occur.

6.1. Refer to Johnsonite's Maintenance Instructions for complete maintenance details.

7. TECHNICAL SERVICES

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.

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 (800) 899-8916.