

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product:** Resilient Rubber Sheet Flooring - A.D.A. Compliant

1.2. **Manufacturer:**

Johnsonite, Inc.	Phone	(800) 899-8916
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1.3. **Proprietary Product Description:**

1.3.1. **Construction:** Johnsonite Rubber Sheet Flooring is manufactured from a homogeneous composition of 100% natural and synthetic rubbers, high quality additives, and colorants to meet the performance requirements of ASTM F 1859, Type I homogeneous rubber sheet flooring, Standard Specification for Rubber Sheet Floor Covering without backing.

Johnsonite Rotocure Rubber Sheet Flooring is designed for interior applications only and not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials (e.g.: commercial kitchens). Johnsonite rubber sheet flooring requires the use of chair pads or chairs with casters designed for resilient flooring in workstations or similar environments. Johnsonite rubber sheet flooring is not warranted against cuts or lack of protection under caster wheels designed for carpeting or other types of flooring.

1.3.2. **Styles:**

SRSP-XX (Speckled) - Smooth surface

SRTN-XX (Tonal) - Smooth surface

1.3.3. **Physical Characteristics:**

Roll Size and Packaging:

Width: 6 ft. (1.83 m)

Thicknesses: 2 mm (0.080") and 3 mm (0.118")

Length: 35 to 45 ft. lengths

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- **Hardness:** ASTM D 2240 – Not less than 85 Shore A
- **Static Load Limit:** ASTM F 970 @ 250 PSI - < 0.005"
- **Slip Resistance:** ASTM D 2047 – greater than 0.6
- **Color Heat Stability:** ASTM F 1514 < 8.0 ΔE
- **Color Light Stability:** ASTM F 1515 < 8.0 ΔE
- **Acoustical:** ASTM E 492 Impact Insulation Class – 41 IIC (2mm) & 43 IIC (3mm)

- **Breaking Load & Elongation:** ASTM D412 - \geq 600 PSI @ 10% modulus with minimum of 60% elongation and a maximum tenacity of 900 PSI
- **Abrasion Resistance:** ASTM D 3389 - less than 1 gram loss after 1,000 cycles
- **Fire Resistance:** ASTM E 648/NFPA 253 (Critical Radiant Flux), Class 1
- **Smoke Density:** ASTM E 662/NFPA 258 (Smoke Density), less than 450
- **Chemical Resistance:** ASTM F 925, Passed - 5% Acetic acid, 70% Isopropyl alcohol, Sodium hydroxide solution (5% NaOH), Hydrochloric acid solution (5% HCl), Sulfuric acid solution (5% H₂SO₄), Household ammonia solution (5% NH₄OH), Household bleach (5.25% NaOCl), cidex, cidex OPA, and betadine.

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 subfloors must be clean, smooth, flat and dry. The surface must be free of all dust, loose particles, solvents, paint, grease, oil, wax, alkali, sealing/curing compounds, old adhesive, and any other foreign material, which could affect installation. Caution: Do not use oil based sweeping compounds. Fill all depressions, cracks, and other surface irregularities with a good quality Portland cement based underlayment patching compound.

NOTE: Contamination on the substrate can cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material. If these contaminants are present on the substrate they must be mechanically removed prior to the installation of the flooring material.

Caution: Do not use liquid solvents or adhesive removers.

Johnsonite does not recommend installing over existing resilient floors. All existing flooring and adhesives must be removed prior to installing the new flooring material. Remove existing adhesive mechanically – do not use chemical adhesive removers or solvents.

Caution: Do not install rubber flooring in areas that are exposed to grease, oil or animal fats.

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" (12.7 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" (12.7 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.

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:

- **Johnsonite 966 Rubber Sheet Flooring Adhesive**
Approximate Coverage:
Porous Substrate: 150-175 sq. ft./gal.
Non-porous Substrate: 250-300 sq. ft./gal.

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

- **Johnsonite 975 Two-Part Urethane Adhesive:**
Approximately 225 - 250 sq. ft./gal.

3.2. Installation Manual:

Refer to Johnsonite rubber sheet floor Installation Instructions 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

72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to Johnsonite Rubber Sheet Flooring 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 1-800-899-8916.