

ComforTech® Cushioned Rubber Flooring

1. PROPRIETARY PRODUCT/MANUFACTURER

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

1.2 Manufacturer:

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1.3 Proprietary Product Description

1.3.1 Construction: Johnsonite ComforTech Resilient Rubber Sheet Flooring is manufactured from a homogeneous composition of 100% synthetic rubber, high quality additives, and colorants to meet the performance requirements of ASTM F-1860, Standard Specification for Rubber Sheet Flooring with Backing. Johnsonite ComforTech Resilient Rubber Sheet Flooring's "Checker" raised Pattern, "Anthem" and "Fountain" smooth surface designs coupled with its unique three-ply vulcanized construction, incorporating a resilient rubber wear layer, an elastic cushioned middle layer, and a spun polyester backing, creates a tough, wear resistant composition with excellent slip-resistant, fatigue, and acoustical characteristics. Johnsonite ComforTech Resilient 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. (i.e.: commercial kitchens) Johnsonite ComforTech Rubber Sheet Flooring materials are not recommended for use where the product will be exposed to pallet jack or forklift traffic. The product is not recommended for automotive showroom applications.

ComforTech's cushioned construction requires the use of chair pads in work Station and similar high caster wheel environments. ComforTech is not warranted against cuts or lack of protection under caster wheels.

1.3.2 Physical Characteristics

Checker (CFC):

Gross roll size is 55" (1.4 m) wide x 32.8' (10 m) long,

Net roll size is 54" (1.37 m) x 32.8' (10 m) long, Net area size is 147.6 ft² (13.7 m²), Net roll size (to match pattern) is 52" x 32.5' (10 m) long, Net area size is 140.8 ft² (13.08 m²), Thickness - .118" (3.0 mm), base thickness - .099" (2.5 mm), Net weight of roll is approximately 130 lbs. (59 kg)

Anthem (ANT):

Gross roll size is 55" (1.4 m) wide x 49.2' (15 m) long. Net roll size is 54" (1.37 m) x 49.2' (15 m) long, Net area size is 221.4 ft² (20.6 m²), Thicknesses is .079" (2.0 mm) and .099" (2.5 mm), Net weight of roll is approximately 131 lbs (60 kg)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 **Tensile Strength:** ASTM D 412 - Meets and exceeds standard of less than 300 psi at 10% Elongation.

2.2 **Abrasion Resistance:** ASTM D 3389, < 1.00 gm weight loss

2.3 **Acoustical:** ASTM E 492 Impact Insulation Class (IIC) - .118" (3.0 mm) thick = 45 IIC, .079" (2 mm) thick = 37

2.4 **Hardness:** ASTM D 2240 - Not less than 85 Shore A

2.5 **Thermal Resistance:** ASTM C 518 - .51 R value

2.6 **Slip Resistance:** ASTM D 2047 - Meets or Exceeds a static coefficient of friction of 0.8

2.7 **Color Heat Stability:** ASTM F 1514 < 8.0 ΔE

2.8 **Color Light Stability:** ASTM F 1515 < 8.0 ΔE

2.9 **Fire Resistance:**

2.9.1 ASTM E 648/NFPA 253 (Critical Radiant Flux) - Class 1

2.9.2 ASTM E 662/NFPA 258 (Smoke Density) - < 450

2.9.3 ASTM E 84/NFPA 255 (Flame/Smoke) - Class C, < 450

2.10 **Chemical Resistance:** ASTM F 925 Passed after 24 hours exposure - 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), Disinfectant cleaner (5% active phenol)

3. INSTALLATION

3.1 The installation of Johnsonite ComforTech Resilient Rubber Sheet Flooring should not begin until the work of all other trades has been completed, especially overhead trades. The areas to receive flooring materials shall be clean and fully enclosed. The area should be maintained at a minimum of 65° F and a maximum of 75° F for 48 hours before the installation, during the installation and for 48 hours after the installation is completed. The flooring materials and adhesives 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 or 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, Practice for Preparing Concrete Floors and Other Monolithic

Floors to Receive Resilient Flooring. Floors shall be smooth, flat, permanently dry, clean and free of all foreign material such as dust, paint, grease, oils, solvent, curing and hardening compounds, sealers, asphalt, and old adhesive residue. Floor covering shall not be installed over expansion joints. 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. The flooring shall be dry laid and inspected by the installer, under normal, occupied lighting conditions, to ensure proper color and fit prior to final adhesive installation

For installations where standing water may be present (therapeutic, swimming pool, entry areas, etc.), a water-proof adhesive is recommended.

The rubber sheet flooring seams may be sealed utilizing the Johnsonite #522 Seam Sealer or ComforTech Heat Welding Rod (CWR-XX) to provide a hygienic, watertight installation.

3.2 Adhesives: Porous and Nonporous Substrates:

3.2.1 Johnsonite #965 Flooring & Tread Adhesive

Application: 1/8" x 1/16" x 1/8" V-notched trowel

(Approximately 70 ft² gallon)

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.

3.2.2 Johnsonite #996 Two-Part Epoxy Adhesive

Application: 1/16" square notched trowel

(Approximately 150 ft² gallon)

3.2.3 Johnsonite #975 Two-Part Urethane Adhesive

Application: 1/16" square notched trowel

(Approximately 150 ft² gallon)

3.3 Seam Treatment:

Johnsonite 522 Seam Sealer

Application: 8 oz. squeeze bottle

Coverage: 85 linear ft. (25.9 m) based on 1/8" (3.17 mm) diameter bead.

3.3.1 Johnsonite ComforTech Welding Rod (CWR-XX)

Application: Leister Hot Air Welding Tool equipped with a high speed round tip or similar equipment

Coverage: 4 mm (.158") diameter solid-color welding rod in 50 m (164') coils.

3.4 Installation Manual: Refer to Johnsonite ComforTech Rubber sheet Flooring Installation Instructions for complete installation details.

4. AVAILABILITY AND COST

4.1 Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

5.1 Limited 10-year wear warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

6. MAINTENANCE

6.1 48 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements.

6.2 Refer to Johnsonite ComforTech Rubber Sheet Flooring Installation and Maintenance Instructions for complete maintenance details.

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.