

RUBBER STAIR TREADS

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. **Proprietary Product:** Resilient Rubber Stair Treads A.D.A., Visually-Impaired, and California Title 24 Compliant

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
Email: info@johnsonite.com	Fax:	(440) 543-8920

1.3. **Proprietary Product Description:**

1.3.1. **Construction:** Johnsonite Rubber Stair Treads are manufactured from a homogeneous composition of 100% synthetic rubber, high quality additives, and colorants to meet the performance requirements of ASTM F-2169 Standard Specification for Resilient Stair Treads, Type TS, Class 1 and 2, Group 1 and 2. All Johnsonite Stair Treads are available with a 2" (5.08 cm) wide strip of contrasting color to comply with A.D.A., Visually-Impaired, and California Title 24 requirements. Standard formulation exceeds ASTM E 648 Class 1 Flammability requirements.

Johnsonite Rubber Stair Treads are 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)

1.3.2. **Styles:**

- **RTR-RD & VIRTR-RD** (Visually Impaired) - Roundel Round Raised Disk Pattern Rubber Stair Tread with Integrated Riser, 20" (51 cm) overall length, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VIRTR-RD** with 2" (5.0 cm) wide contrasting color grit tape insert
 - VIRTRS-RD** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VIRTRP-RD** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
- **RTR-SQ & VIRTR-SQ** (Visually Impaired) - Roundel Square Raised Disk Pattern Rubber Stair Treads with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VIRTR-SQ** with 2" (5.0 cm) wide contrasting color grit tape insert
 - VIRTRS-SQ** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VIRTRP-SQ** with 2" (5.0 cm) wide contrasting

marbled rubber color insert strip

- **HTR & VIHTR** (Visually Impaired) - Hammered Surface Texture Rubber Stair Tread with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VIHTR** with 2" (5.0 cm) wide contrasting color grit tape insert.
 - VIHTRS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VIHTRP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
- **BMTR & VIBMTR** (Visually Impaired) - Bamboo Surface Texture Rubber Stair Tread with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VIBMTR** with 2" (5.0 cm) wide contrasting color grit tape insert
 - VIBMTRS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VIBMTRP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
- **CUTR & VICUTR** (Visually Impaired) - Cubis Surface Texture Rubber Stair Tread with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VICUTR** with 2" (5.0 cm) wide contrasting color grit tape insert.
 - VICUTRS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VICUTRP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
- **CFLTR & VICFLTR** (Visually Impaired) - Fast Lane Surface Texture Rubber Stair Tread with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, .210" (5.33 mm) to .153" (3.89 mm) tapered 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - VICFLTR** with 2" (5.0 cm) wide contrasting color grit tape insert.
 - VICFLTRS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - VICFLTRP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip

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- **HMT & VIHMT** (Visually Impaired) - Roundel Hammered Pattern Rubber Stair Tread, 2" (5.08 cm) hinged square nose configuration, .210" (5.33 mm) to .113" (2.87 mm) tapered 12-1/4" (31.12 cm) tread depth
 - **VIHMT** with 2" (5.0 cm) wide contrasting color grit tape insert
 - **VIHMTS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VIHMTP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **HMTD & VIHMTD** (Visually Impaired) - Roundel Hammered Pattern Rubber Stair Tread, 2" (5.08 cm) hinged square nose configuration, .210" (5.33 mm) to .113" (2.87 mm) tapered 14" (35.6 cm) tread depth
 - **VIHMTD** with 2" (5.0 cm) wide contrasting color grit tape insert
 - **VIHMTDS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VIHMTPD** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **RH-RD & VIRH-RD** (Visually Impaired) - Roundel Round Raised Disk Pattern Rubber Stair Tread, 2" (5.08 cm) hinged square nose configuration, .210" (5.33 mm) to .113" (2.87 mm) tapered 12-1/4" (31.12 cm) tread depth
 - **VIRH-RD** with 2" (5.0 cm) wide contrasting color grit tape insert
 - **VIRHS-RD** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VIRHP-RD** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **RH-SQ & VIRH-SQ** (Visually Impaired) - Roundel Square Raised Disk Pattern Rubber Stair Treads, 2" (5.08 cm) hinged square nose configuration, .210" (5.33 mm) to .113" (2.87 mm) tapered 12-1/4" (31.12 cm) tread depth
 - **VIRH-SQ** with 2" (5.0 cm) wide contrasting color grit tape insert
 - **VIRHS-SQ** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VIRHP-SQ** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **CN - (Sq & Rd)** Heavy Duty Diamond Rubber Stair Treads, 2" (5.08 cm) square nose or round nose configuration [designed for 3/4" (19 mm) stair nose radius], tapered from 0.240" (6.1 mm) to 0.140" (3.6 mm), 13" (33.02 cm) tread depth.
 - **VICN** with 2" (5.0 cm) wide contrasting color grit tape insert.
 - **VICNS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VICNP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **CNTR & VICNTR** (Visually Impaired) - Heavy Duty Diamond Rubber Stair Treads with Integrated Riser, 2" (5.08 cm) hinged, square nose configuration, 0.240" (6.1 mm) to 0.125" (3.2 mm) taper, 13" (33 cm) tread depth with 7" (17.8 cm) integral riser
 - **VICNTR** with 2" (5.0 cm) wide contrasting color grit tape insert.
 - **VICNTRS** with 2" (5.0 cm) wide contrasting solid rubber color insert strip
 - **VICNTRP** with 2" (5.0 cm) wide contrasting marbled rubber color insert strip
 - **GS** Heavy Duty Smooth Rubber Stair Treads, Square nose configuration 1-7/8" (4.76 cm), 1/4" (6.35 mm) to 1/8" (3.17mm) tapered 13-1/4" (33.66 cm) tread depth
 - **G** Heavy Duty Smooth Safe-T-Grip Rubber Stair Treads, Square nose configuration 1-7/8" (4.76 cm), 1/4" (6.35 mm) to 1/8" (3.17mm) tapered 13-1/4" (33.66 cm) tread depth, with two 1" wide grit tape inserts
 - **VIG** Visually Impaired Heavy Duty Smooth Stair Treads, Square nose configuration 1-7/8" (4.76 cm), 1/4" (6.35 mm) to 1/8" (3.17mm) tapered 13-1/4" (33.66 cm) tread depth, with a 2" (5.0 cm) wide contrasting color grit tape or solid color rubber insert.
 - **S** Service Weight Rubber Stair Treads, Square nose configuration is 1-5/8" (4.66 cm) with a hinge, 3/16" (4.76 mm) to 1/8" (3.17 mm) tapered 13-1/4" (33.66cm) tread depth. [Available with a Visually Impaired (**VIS**) 2" (5.0 cm) wide contrasting color grit tape or solid color rubber insert.]
 - **SG** Sur-Grip Rubber Stair Treads Square nose configuration 1-5/8" (4.66 cm), 1-5/16" (3.33 cm) diameter 1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 12-1/4" (31.12 cm) tread depth [Available with a Visually Impaired (**VISG**) 2" (5.0 cm) wide contrasting color grit tape or solid color rubber insert.]
 - **SA** Service Weight Safe-T-Grip Rubber Stair Treads 1-5/8" (4.66 cm) square nose configuration, 3/16" (4.76 mm) to 1/8" (3.17 mm) tapered 13-1/4" (33.66 cm) tread depth, Two 1" (2.5 cm) wide grit tape inserts.
- 1.3.3. **Physical Characteristics:**
 Lengths: 3', 3-1/2', 4', 4-1/2', 5', and 6' (.91 m, 1.07 m, 1.22 m, 1.37 m, 1.52 m, and 1.83 m) [Note: All VIRH-RD Series also available in 7 ft. (2.13 m) and 8 ft. (2.44 m) lengths] [Note: All VIRTR-RD and SQ. pattern also available in 7 ft. (2.13 m), 8 ft. (2.44 m), and 9 ft. (2.74 m) lengths]

RUBBER STAIR TREADS**2. PRODUCT PERFORMANCE AND TECHNICAL DATA**

- **Tensile Strength:** ASTM D 412 - 1200 psi
- **Hardness:** ASTM D 2240 - Not less than 85 Shore A
- **Abrasion Resistance:** ASTM D 3389 – less than 1 gram weight loss
- **Slip Resistance:** ASTM D 2047 – Meets or Exceeds a static coefficient of friction of 0.8
- **Fire Resistance:**
 - ASTM E 648/NFPA 253 (Critical Radiant Flux): Class 1
 - ASTM E 662/NFPA 258 (Smoke Density), less than 450

3. INSTALLATION

The installation of Johnsonite Rubber Stair Treads should not begin until the work of all other trades has been completed, especially overhead trades. Areas to receive stair treads 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 stair treads and adhesives shall be conditioned in the same manner. Stair steps 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. Stair Treads may be installed on any smooth, dry interior step. Do not install on exterior steps subject to weather. Stair shape shall conform closely to stair tread contour, especially where the flat part of the tread joins the nosing. An epoxy caulking nose filler shall be applied to ensure a tight fit and eliminate any open spaces between the step edge and stair tread nosing. Stair treads shall be trimmed to within 1/16" of the riser and stringer to allow for expansion. Adhesives shall be applied per Johnsonite's instructions. The stair tread and nosing portion of the stair tread shall be bonded directly to the step surface. **Do not overlap the nosing over resilient riser material.** Stair treads shall be rolled, with a J-hand roller, after installation, to ensure proper bonding.

3.1. Adhesives:

Johnsonite 965 Flooring & Tread Adhesive

Porous Substrates: 1/16" square-notched trowel
(Approximately 125 sq ft /gal)

Non-Porous Substrates: 1/16" V-notched trowel
(Approximately 145 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 945 Contact Bond Adhesive

Application: Brush or roller

Coverage: Approx. 360 sq ft/gal

Johnsonite 930 Two-Part Epoxy Caulking Compound

Application - Gun, knife, or 13-1/2 ounce cartridge (Use Johnsonite 530 dual-cartridge dispenser gun with cartridge)

Coverage: Approx. 250 linear ft/gal or 50 linear with a 1/4" diameter bead per 13-1/2 ounce cartridge

4. AVAILABILITY AND COST

Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

Limited 1 year warranty against defects in manufacturing and workmanship. 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 Floor Tile and Rubber Stair Tread 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.