

## Resilient Thermoset Rubber (TS) Stair Treads

### 1. PROPRIETARY PRODUCT/MANUFACTURER

**1.1 Proprietary Product:** Resilient Thermoset Rubber (TS) Stair Treads - A.D.A. Visually-Impaired, and California Title 24 Compliant. – FloorScore Certified

### 1.2 Manufacturer:

Burke Flooring  
2250 South Tenth Street  
San Jose, California 95112  
Phone: (800) 447-8442  
(352) 357-4119  
Fax: (352) 357-9660  
Samples: Ext 1031  
Web: www.burkeflooring.com

### 1.3 Proprietary Product Description:

**1.3.1 Construction:** Burke Rouleau and Endura 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 Burke 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. Burke 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 (e.g.: commercial kitchens).

### 1.3.2 Physical Characteristics:

**Burke Rouleau Round Raised Disk Pattern Solid Color Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**  
1.813" (4.6 cm) square nose configuration,  
.188" (4.8 mm) to .115" (2.92 mm) tapered 12-1/4" (31.12 cm) tread plate depth,  
Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Burke Rouleau Square Raised Disk Pattern Solid Color Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

1.875" (4.76 cm) square nose configuration,  
.170" (4.3 mm) to .130" (3.3 mm) tapered 13" (33 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Burke Rouleau Uni-Step Round Raised Disk Pattern Solid Color Rubber Stair Treads with Integrated Riser [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

19-1/2" (49.5 cm) overall depth  
1.813" (4.6 cm) square nose configuration,  
.188" (4.8 mm) to .158" (4.01 mm) tapered 12-1/2" (31.75 cm) tread plate depth with 7" (17.8 cm) integrated riser,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Burke Marble Smooth Surface Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

1.688" (4.3 cm) square or 1.375" (3.49 cm) diameter round nose configuration,  
.188" (4.8 mm) to .125" (3.18 mm) tapered 12" (30.48 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Burke Marble Smooth Surface Safety Rubber Stair Treads with two each 1" (2.54 cm) wide contrasting color abrasive grit strips:**

1.688" (4.3 cm) square or 1.375" (3.49 cm) diameter round nose configuration,  
.188" (4.8 mm) to .125" (3.18 mm) tapered 12" (30.48 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Burke Marble Diamond Pattern Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

1.688" (4.3 cm) square nose configuration,  
.250" (6.35 mm) to .125" (3.18 mm) tapered 12-1/4" (31.1 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Endura Round Raised Disk Pattern Solid Color Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

1.813" (4.6 cm) square nose configuration,  
.188" (4.8 mm) to .115" (2.92 mm) tapered 13" (33 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Endura Square Raised Disk Pattern Solid and Speckled Color Rubber Stair Treads [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

1.875" (4.76 cm) square nose configuration,  
.170" (4.3 mm) to .130" (3.3 mm) tapered 13" (33 cm) tread plate depth,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Endura Uni-Step Round Raised Disk Pattern Solid Color Rubber Stair Treads with Integrated Riser [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

19-1/2" (49.5 cm) overall depth  
1.813" (4.6 cm) square nose configuration,  
.188" (4.8 mm) to .158" (4.01 mm) tapered 12-1/2" (31.75 cm) tread plate depth with 7" (17.8 cm) integrated riser,

Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

**Endura Uni-Step Sculptured Surface Solid and Speckled Color Rubber Stair Treads with Integrated Riser [also available with visually-impaired 2" (5.08 cm) wide contrasting color abrasive grit strip]:**

20" (50.8 cm) overall depth  
1.88" (4.8 cm) square nose configuration,  
.188" (4.8 mm) to .158" (4.8 mm) tapered 13" (33 cm) tread plate depth with 7" (17.8 cm) integrated riser,  
Lengths: 3' (.91 m), 4' (1.22 m), 5' (1.52 m), and 6' (1.83 m)

## 2. PRODUCT PERFORMANCE AND TECHNICAL DATA

**2.1 Hardness:** ASTM D 2240:  $\geq 85$  Shore A

**2.2 Abrasion Resistance:** ASTM D 3389:  $< 1.0$  gm loss

**2.3 Slip Resistance:** ASTM D 2047: COF  $\geq 0.5$

**2.4 Color Heat Stability:** ASTM F 1514:  $< 8.0$  E

**2.5 Static Load Limit:** ASTM F 970: 250 PSI

**2.6 Fire Resistance:**

**2.6.1** ASTM E 648/NFPA 253: Class 1  
(Critical Radiant Flux)

**2.6.2** ASTM E 662/NFPA 258: less than 450  
(Smoke Density)

**2.7 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% H<sub>2</sub>SO<sub>4</sub>), Household ammonia solution (5% NH<sub>4</sub>OH), Household bleach (5.25% NaOCl), Disinfectant cleaner (5% active phenol)

## 3. INSTALLATION

The installation of Burke 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, weather-tight, 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 Burke'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:

**Burke #BR-711 Flooring & Tread Adhesive:**

**Porous Substrates:** 1/16" square-notched trowel  
(Approximately 125 - 150 sq ft /gal)

**Non-Porous Substrates:** 1/16" V-notched trowel  
(Approximately 150 - 175 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.

**Burke #BR-721 Two-Part Epoxy Adhesive:**

**Trowel:** 1/16" square-notched trowel  
(Approximately 125 - 150 sq. ft/gal)

**Burke #BR-725 Two-Part Urethane Adhesive:**

**Trowel:** 1/16" square-notched trowel  
(Approximately 125 - 150 sq. ft/gal)

**Burke #BR-715 Two-Part Epoxy Caulking Compound:**

**Application:** Gun, knife, or 13-1/2 ounce cartridge  
(Use Burke 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. INSTALLATION MANUAL

Refer to Burke Rubber Stair Tread installation instructions for complete installation details.

## **5. AVAILABILITY AND COST**

Available through authorized Burke distributors nationwide.

## **6. WARRANTY**

Limited 5 and 10 year wear warranties available.

For complete details, contact Burke or an authorized Burke distributor.

## **7. MAINTENANCE**

72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to Burke Rubber Stair Tread Installation Instructions for complete maintenance details.

## **8. TECHNICAL SERVICES**

**Samples:** Submittal samples for verification and approval available upon request from Burke. 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.BurkeFlooring.com](http://www.BurkeFlooring.com) or contact Burke at 1-800-447-8442.