

## Resilient Thermoplastic Rubber (TP) and Thermoplastic Vinyl (TV) Stair Treads

### 1. PROPRIETARY PRODUCT/MANUFACTURER

**1.1 Proprietary Product:** Resilient Thermoplastic Rubber (TP) and Thermoplastic Vinyl (TV) Stair Treads - A.D.A., Visually-Impaired, California Title 24 Compliant and FloorScore Certified

#### 1.2 Manufacturer:

Burke Flooring  
2250 South Tenth Street  
San Jose, California 95112  
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Samples: Ext 1031  
Web: [www.burkeflooring.com](http://www.burkeflooring.com)

#### 1.3 Proprietary Product Description:

**1.3.1 Construction:** Burke Rubber and Vinyl Stair Treads are manufactured from either a proprietary Thermoplastic Rubber (TP) or Thermoplastic Vinyl (TV) formulation designed specifically to meet the performance requirements of ASTM F-2169 Standard Specification for Resilient Stair Treads, Type TP and TV, Class 2, Group 1 and 2. Several of 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 Thermoplastic Rubber and Thermoplastic Vinyl 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 Rubber Maxxi-Treads (MRX):** Visually-Impaired Thermoplastic Rubber (Type TP) Stair Tread with contrasting colored nosing and cleats.  
2" (5.04 cm) square nose configuration,  
1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 13" (33.02 cm) tread depth surface.  
Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m), 6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).  
Packaged 5 lengths per carton.

**Burke Rubber Visually-Impaired Safety Treads (RXX):** Visually-Impaired Thermoplastic Rubber (Type TP) Stair Tread with a 2" (5.04 cm) wide contrasting colored abrasive safety grit strip.  
1-5/8" (4.13 cm) square nose configuration,  
1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm) tread depth surface.  
Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m), 6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).  
Packaged 5 lengths per carton.

**Burke Heavy Duty Rubber Stair Treads (250):** Thermoplastic Rubber (Type TP) Stair Tread available with 1-5/8" (4.13 cm) square nose (HRS) or 1-1/2" (3.81 cm) round nose (HRR) configuration,  
1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm) tread depth surface.  
Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m), 6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).  
Packaged 5 lengths per carton.

**Burke Vinyl Maxxi-Treads (MTX):** Visually-Impaired Thermoplastic Vinyl (Type TV) Stair Tread with contrasting colored nosing and cleats.  
2" (5.04 cm) square nose configuration,  
1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 13" (33.02 cm) tread depth surface.  
Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m), 6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).  
Packaged 5 lengths per carton.

**Burke Vinyl Visually-Impaired Safety Treads (AXX):**

Visually-Impaired Thermoplastic Vinyl (Type TV) Stair Tread with a 2" (5.04 cm) wide contrasting colored abrasive safety grit strip.

1-5/8" (4.13 cm) square nose configuration,

1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm)

tread depth surface.

Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m),

6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).

Packaged 5 lengths per carton.

**Burke Heavy Duty Vinyl Stair Treads (250):** Thermoplastic

Vinyl (Type TV) Stair Tread available with

1-5/8" (4.13 cm) square nose (HCS) or 1-1/2" (3.81 cm) round nose (HCR) configuration,

1/4" (6.35 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm)

tread depth surface.

Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m),

6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).

Packaged 5 lengths per carton.

**Burke Normal Duty Vinyl Stair Treads (210):**

Thermoplastic Vinyl (Type TV) Stair Tread available with

1-1/2" (3.81 cm) square nose (NCS) configuration,

.210" (5.33 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm)

tread depth surface.

Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m),

6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).

Packaged 5 lengths per carton.

**Burke Light Duty Vinyl Stair Treads (150):** Thermoplastic

Vinyl (Type TV) Stair Tread available with

1-1/2" (3.81 cm) square nose (LSS) or 1-1/2" (3.81 cm) round nose (LSR) configuration,

.150" (6.35 mm) to 1/8" (3.17 mm) tapered 12" (30.48 cm)

tread depth surface.

Lengths: 3' (.91 m), 3-1/2' (1.07 m), 4' (1.22 m), 5' (1.52 m),

6' (1.83 m), 8' (2.44 m) and 12' (3.66 m).

Packaged 5 lengths per carton.

**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:  $\text{COF} \geq 0.5$

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

**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 Thermoplastic Rubber and Vinyl 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 stringer to allow for expansion. Adhesives shall be applied per Burke's instructions. 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**

**4.1** Refer to Burke Stair Tread installation instructions for complete installation details.

## **5. AVAILABILITY AND COST**

**5.1** Available through authorized Burke distributors nationwide.

## **6. WARRANTY**

**6.1** Limited 5 year wear warranties available. For complete details, contact Burke or an authorized Burke distributor.

## **7. MAINTENANCE**

**7.1** Refer to Burke Stair Tread Installation Instructions for complete maintenance details.

## **8. TECHNICAL SERVICES**

**8.1 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.

**8.2** 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.