

## Resilient EcoFitness Multifunctional Athletic Rubber Flooring

### 1. PROPRIETARY PRODUCT/MANUFACTURER

**1.1 Proprietary Product:** Resilient EcoFitness Multifunctional Athletic Rubber Floor Tiles - A.D.A. 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 EcoFitness Flecksibles and Naturals Multifunctional Athletic Rubber Floor Tiles are manufactured from a composition of recycled truck tire crumb rubber encapsulated in a urethane binder and designed for sports and fitness flooring, as well as other interior applications.

EcoFitness Flecksibles contains 73% post consumer recycled content and is available in solid black or black with 17% EPDM colored chips. The EcoFitness Flecksibles Collection is available in interlocking tiles, as well as 4' x 25' and 4' x 50' coiled lengths.

EcoFitness Naturals creates a unique appearance by bonding a colored UV cured polyurethane wear layer to an 88% post consumer recycled content performance back layer. Naturals are only available in interlocking tiles.

Both Flecksibles and Naturals can contribute to LEED credits.

#### 1.3.2 Physical Characteristics:

##### EcoFitness Flecksibles Interlocking Rubber Floor Tile (Solid and Speckled Color):

Thickness: .375" (3/8") (10 mm)  
Size: 28.5" x 28.5" (72.4 cm x 72.4 cm)  
Weight: 11.28 lbs (5.1 kg)/tile

##### EcoFitness Flecksibles Rubber Sheet Flooring (Solid and Speckled Color):

Thickness: .375" (3/8") (10 mm)  
Sizes: 4' x 25' (10 cm x 7.6 m)  
4' x 50' (10 cm x 15.2 m)  
Weight: 2 lbs (.9 kg)/sq. ft.

##### EcoFitness Naturals Interlocking Rubber Floor Tile (Solid Color):

Thickness: .375" (3/8") (10 mm)  
Size: 28.5" x 28.5" (72.4 cm x 72.4 cm)  
Weight: 11.28 lbs (5.1 kg)/tile

### 2. PRODUCT PERFORMANCE AND TECHNICAL DATA

**2.1 Hardness:** ASTM D 2240:  $\geq 55$  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 Static Load Limit:** ASTM F 970: 250 PSI

**2.5 Impact Insulation:** ASTM E 989: IIC = 54

**2.6 Flammability** - ASTM D-2859 (Pill Test) - Passed;  
Char Diameter = not measurable

**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 Floor Tiles 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 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 American Plywood Association (APA), 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" (13 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" (13 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 underlayment. 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, solvents, 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. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride or 80% when tested accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.

### 3.1. Adhesives:

**Burke #BR-710** One Part Urethane Adhesive:

**Trowel:** 1/8" V-notched trowel  
(Approximately 125 - 150 sq ft /gal)

**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)

### 4. INSTALLATION MANUAL

Refer to Burke Rubber Floor Tile installation instructions for complete installation details.

### 5. AVAILABILITY AND COST

Available through authorized Burke distributors nationwide.

### 6. WARRANTY

Limited 5 year wear warranty 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 Tile 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.