

Resilient Luxury Vinyl Tile

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1 Proprietary Product: Resilient Luxury Vinyl Tiles - A.D.A. Compliant

1.2 Manufacturer:

Burke Flooring
2250 South Tenth Street
San Jose, California 95112
Phone: (800) 447-8442
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Samples: Ext 1031
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1.3 Proprietary Product Description:

1.3.1 Construction: Burke Luxury Vinyl Tiles and Vinyl Wood Planks are manufactured with a tough, clear, unfilled, polyurethane-coated wear layer in 6 mil, 12 mil and 20 mil thicknesses and is composed of polyvinyl chloride resins, plasticizers, stabilizers, and processing aids over a printed film on an intermediate layer over a filled vinyl backing. Flooring shall meet composition, size, thickness, squareness, flexibility, residual indentation, resistance to chemicals, resistance to heat and resistance to light requirements of ASTM F 1700 Standard Specification for Solid Vinyl Tile, Class III, Type B – Embossed Surface. All LVT contains a 67% minimum post consumer recycled content and include new germ killing technology called Nano Silver designed to make your facility safer from bacteria such as staph and E.coli, viruses like rhinovirus and mold. Burke Luxury Vinyl Flooring is designed for interior applications only. Burke Luxury Vinyl Flooring requires the use of chair pads or chairs with casters designed for resilient flooring in work stations or similar environments. Burke Luxury Vinyl Flooring is not warranted against cuts or lack of protection under caster wheels designed for carpeting or other types of flooring. Burke Luxury Vinyl Flooring is available in two different sized planks in a variety of wood grain designs and tiles available in concrete, slate and solid color designs.

1.3.2 Physical Characteristics:

Luxury Vinyl Wood Planks – 6 and 12 Mil Wear Layer (Fine Grain Wood):

Thicknesses:

6 Mil: .080" (2 mm)

12 Mil: 1/8" (3.05 mm)

Size: 3.6" x 37.4" (9.1 cm x .95 m)

6 Mil: 56 planks/ctn, [(52.7 sq. ft), (4.9 sq. m.)]

12 Mil: 38 planks/ctn, [(35.7 sq. ft), (3.3 sq. m.)]

Luxury Vinyl Wood Planks – 6 and 12 Mil Wear Layer (Rustic Wood Grain):

Thicknesses:

6 Mil: .080" (2 mm)

12 Mil: 1/8" (3.05 mm)

Size: 7.2" x 37.4" (18.3 cm x .95 m)

6 Mil: 28 planks/ctn, [(52.7 sq. ft), (4.9 sq. m.)]

12 Mil: 19 planks/ctn, [(35.7 sq. ft), (3.3 sq. m.)]

Luxury Vinyl Tiles – 6 Mil Wear Layer (Ceramic):

Thickness: 1/8" (3.05 mm)

Size: 18.5" x 18.5" (47 cm x 47 cm)

22 tiles/ctn, [(52.32 sq. ft), (4.86 sq. m.)]

Luxury Vinyl Tiles – 12 Mil Wear Layer (Slate, Concrete, and Solid Color):

Thickness: 1/8" (3.05 mm)

Size: 18.5" x 18.5" (47 cm x 47 cm)

15 tiles/ctn, [(35.5 sq. ft), (3.3 sq. m.)]

Luxury Vinyl Tiles – 12 Mil Wear Layer (Granite and Travertine):

Thickness: 1/8" (3.05 mm)

Size: 12" x 24" (30.5 cm x 61 cm)

18 tiles/ctn, [(36 sq. ft), (3.34 sq. m.)]

Luxury Vinyl Tiles – 12 Mil Wear Layer (Natural Stone):

Thickness: 1/8" (3.05 mm)

Size: 17.72" x 35.43" (45 cm x 90 cm)

10 tiles/ctn, [(43.6 sq. ft), (4 sq. m.)]

**Luxury Vinyl Planks – 20 Mil Wear Layer
(Country Naturals – Hand Scraped – Beveled Edge):**

Thickness: 1/8" (3.05 mm)

Size: 6" x 48" (15.2 cm x 122 cm)

18 tiles/ctn, [(36 sq. ft), (3.3 sq. m.)]

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 Hardness: ASTM D 2240: ≥ 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 Color Light Stability: ASTM F1515: $< 8.0 \Delta E$

2.6 Static Load Limit: ASTM F 970: .000" @ 250 PSI

Note: Floors should be protected from sharp-point loads and heavy static loads. High-heeled traffic (1000 psi or more) may visibly damage resilient floor coverings.

2.7 Fire Resistance:

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

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

2.8 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% H₂SO₄), Household ammonia solution (5% NH₄OH), Household bleach (5.25% NaOCl), Disinfectant cleaner (5% active phenol)

3. INSTALLATION

The installation of Burke Luxury Vinyl 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 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-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)

4. INSTALLATION MANUAL

Refer to Burke Luxury Vinyl Tile installation instructions for complete installation details.

5. AVAILABILITY AND COST

Available through authorized Burke distributors nationwide.

6. WARRANTY

Limited 10 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 Luxury Vinyl 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 or contact Burke at 1-800-447-8442.