

FORBO ALLURA FLEX 0.55 TECHNICAL DATA

1. PRODUCT NAME & MANUFACTURER

1.1 Product:

Forbo Allura Flex LVT floor covering

1.2 Manufacturer:

Forbo Flooring Systems
Humboldt Industrial Park
Hazleton, PA 18202

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Phone: +1-800-842-7839 (US)

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1.3 Product Description:

Construction: Forbo Allura Flex luxury vinyl tiles are comprised of a vinyl wear layer with a high performance PUR topcoat which provides color clarity. A calendared wear layer provides clear image, superior strength and durability. The thick glass interlayer ensures dimensional stability, flexibility, tension releases and strength with a thick solid backing for comfort, balance and prevention of curl. The mechanical foam back layer contributes to its acoustical properties.

1.4 Physical Characteristics:

(dimensions are approximate)

Size ----- 39.4" x 7.9" (100 cm x 20 cm)

----- 47.2" x 7.9" (120 cm x 20 cm)

----- 59.1" x 11" (150 cm x 28 cm)

----- 19.7" x 19.7" (50 cm x 50 cm)

Gauge----- 0.157" (4.0 mm)

Wear Layer--- 21.65 mils (0.02" or 0.55 mm)

Packaging--- 39.4" x 7.9": 14 pieces (30.14 ft² or 2.80 m²)

----- 47.2" x 7.9": 12 pieces (31 ft² or 2.88 m²)

----- 59.1" x 11": 10 pieces (45.21 ft² or 4.2 m²)

----- 19.7" x 19.7": 12 pieces (32.29 ft² or 3 m²)

2. PRODUCT PERFORMANCE & TECHNICAL DATA

2.1 Reference Specification:

Meets or exceeds all technical requirements as set forth in ASTM F 1700, Standard Specification for Solid Vinyl Floor Tile.

Class III, Type B

2.2 Environmental:

Compliant with CDPH 01350 requirements for VOC emissions and indoor air quality.

Forbo Allura Flex contributes to LEED® v4 credits. For additional information, contact Forbo Flooring Systems.

2.3 Static Load Limit:

Residual compression of 0.004" with 250 pounds per square inch when tested in accordance with ASTM F 970-17, Standard Test Method for Static Load Limit.

2.4 Slip Resistance:

Meets or exceeds the industry recommendation of >0.5 for flat surfaces when tested in accordance with ASTM D 2047, Standard Test Method for Static Coefficient of Friction.

2.5 Castor Resistance:

Suitable for office chairs with castors when tested in accordance with EN 985, Castor Chair Test.

2.6 Impact Sound Reduction:

14dB when tested in accordance with ISO 717-2, Impact Sound Insulation Test.

IIC 56 when tested in accordance with ASTM E 492, Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor/Ceiling Assemblies using the Tapping Machine.

2.7 Fire Testing:

Class 1 when tested in accordance with ASTM E 648/ NFPA 253, Standard Test Method for Critical Radiant Flux. Meets 450 or less when tested in accordance with ASTM E 662/ NFPA 258, Standard Test Method for Smoke Density.

2.8 Chemical Resistance:

(Exposure Time – 1h)*

Diluted Acids – Nitric, Hydrochloric, Acetic,

Lactic, Citric----- No Change

Sulfuric Acid----- Slight Color Change

Isopropyl Alcohol (70%)----- No Change

Sodium Hydroxide (5%)----- Softening

Ammonia (5%), Acetone-----Possible Softening/Staining

Phenol (5%)----- No Change

Soda Solution, Soap Solution (Slightly Alkaline) No Change

Gasoline, Kerosene, White Spirit, Paraffin----- No Change

Benzene, Toluene, Methyl Alcohol,

Ethyl Acetate----- No Change

Methyl Ethyl Ketone, Ether----- No Change

Mineral Oil, Olive Oil, Vegetable Oil, Animal Fat No Change

Blood, Urine, Excrement----- No Change

Lipstick----- No Change

Formaldehyde, Hydrogen Peroxide 3%----- No Change

Hot Chili Paste, Iodine, Betadine, Hair Dye----- No Change

Shoe Polish----- Slight Surface Dulling

Silver Nitrate----- Staining/Possible Softening

Bitumen, Salt Water----- No Change

Methylene Blue----- No Change

Gel-Based Hand Sanitizer, Bleach----- No Change

Tested in accordance with ASTM F 925, Standard Test Method Resistance to Chemicals of Resilient Flooring.

*Forbo Allura Flex is NOT resistant to prolonged exposure to high alkalis.

3. INSTALLATION

3.1 Adhesive:

Use Forbo FRT 950, Forbo FST 1299, Forbo T 940, Forbo Sustain 1195 or Forbo 660 adhesive.

3.2 Installation Guidelines:

Refer to Forbo's Installation Guidelines for complete installation recommendations.

4. WARRANTY

Limited 10-year warranty. For complete details, contact Forbo Flooring Systems.

5. CARE & CLEANING

Refer to Forbo's Floor Care Guidelines for complete care recommendations.