

FORBO ALLURA FLEX 1.0 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)
-----	39.4" x 39.4" (100 cm x 100 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)
Flex HP-----	39.4" x 7.9" (100 cm x 20 cm)
Gauge-----	0.197" (5.0 mm)
Wear Layer---	39.37 mils (0.04" or 1.0 mm)
Packaging----	39.4" x 7.9": 10 pieces (21.53 ft ² or 2 m ²)
-----	39.4" x 39.4": 1 piece (10.76 ft ² or 1 m ²)
-----	47.2" x 7.9": 10 pieces (25.83 ft ² or 2.4 m ²)
-----	59.1" x 11": 7 pieces (31.65 ft ² or 2.94 m ²)
-----	19.7" x 19.7": 10 pieces (26.91 ft ² or 2.5 m ²)
Flex HP-----	39.4" x 7.9": 12 pieces (25.83 ft ² or 2.4 m ²)

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.