

FORBO ALLURA FLEX 1.0 TECHNICAL DATA

1. PRODUCT NAME & MANUFACTURER

1.1 Product:

Forbo Allura Flex 1.0 LVT floor covering

1.2 Manufacturer:

Forbo Flooring Systems
Humboldt Industrial Park
Hazleton, PA 18202

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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.

Forbo Allura Hungarian Point (HP) are smaller sized planks with the short ends cut at a 45° angle. They are then installed in a herringbone pattern for a sophisticated design.

1.4 Physical Characteristics:

(dimensions are approximate)

Size -----	19.7" x 19.7" (50 cm x 50 cm)
-----	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)
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----	19.7" x 19.7": 10 pieces (26.91 ft ² or 2.5 m ²)
-----	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)
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.

FSR – 110; SDC – 465 when tested in accordance to CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development.

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.