

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 US
8 Maplewood Drive
Hazleton, PA 18202
1-800-842-7839

Forbo Flooring Systems Canada
3983 Nashua Drive, Unit 1
Mississauga, ON L4V 1P3
1-800-268-8108 (English)
1-800-567-9268 (French)

www.forboflooringNA.com

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)
-----	29.5" x 5.9" (75 cm x 15 cm)
-----	29.5" x 9.8" (75 cm x 25 cm)
-----	39.4" x 5.9" (100 cm x 15 cm)
-----	39.4 x 19.7" (100 cm x 50 cm)
-----	39.4" x 39.4" (100 cm x 100 cm)
-----	47.2" x 7.9" (120 cm x 20 cm)
-----	59.1" x 7.9" (150 cm x 20 cm)
-----	59.1" x 11" (150 cm x 28 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)
-----	29.5" x 5.9": 18 pieces (21.8 ft ² or 2 m ²)
-----	29.5" x 9.8": 11 pieces (22.17 ft ² or 2.05 m ²)
-----	39.4" x 5.9": 12 pieces (19.38 ft ² or 1.8 m ²)
-----	39.4 x 19.7": 6 pieces (32.29 ft ² or 3 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 7.9": 8 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)

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 v4.1 credits. For additional information, contact Forbo Flooring Systems.

2.3 Castor Resistance:

Suitable for office chairs with castors when tested in accordance with ISO 4918, Castor Chair Continuous Use Test.

2.4 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.

2.5 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.

2.6 Impact Sound Reduction:

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

IIC 69 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 -----	Severe Color Change
Isopropyl Alcohol (70%) -----	No Change
Sodium Hydroxide (5%) -----	No Change
Ammonia (5%), Acetone-----	No Change
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-----	No Change
Silver Nitrate -----	No Change
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 Sustain 1195, Forbo T 940, or Forbo 660 adhesive.

3.2 Installation Guidelines:

Forbo does NOT recommend the application of adhesive tape on Allura. Adhesive tape may cause damage to the factory coating of resilient flooring products. When using floor protection materials, tape the seams of the floor protection together and secure the floor protection by weighing down in corners and against walls. DO NOT secure floor protection materials by taping them directly to the surface of resilient floor coverings.

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.