

# FORBO ALLURA LVT 0.55 TECHNICAL DATA

## 1. PRODUCT NAME & MANUFACTURER

### 1.1 Product:

Forbo Allura LVT 0.55 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](http://www.forboflooringNA.com)

### 1.3 Product Description:

Construction: Forbo Allura LVT 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 support of the wear layer.

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 5.9" (50 cm x 15 cm)
-----	19.7" x 19.7" (50 cm x 50 cm)
-----	39.4" x 5.9" (100 cm x 15 cm)
-----	39.4" x 39.4" (100 cm x 100 cm)
-----	47.2" x 7.9" (120 cm x 20 cm)
-----	59.1" x 5.9" (150 cm x 15 cm)
-----	59.1" x 11" (150 cm x 28 cm)
-----	70.9" x 12.6" (180 cm x 32 cm)
HP-----	29.5" x 5.9" (75 cm x 15 cm)
Gauge -----	0.0866" (2.2 mm)
Wear Layer --	21.65 mils (0.02" or 0.55 mm)
Packaging ---	19.7" x 5.9": 46 pieces (37.14 ft <sup>2</sup> or 3.45 m <sup>2</sup> )
-----	19.7" x 19.7": 14 pieces (37.67 ft <sup>2</sup> or 3.5 m <sup>2</sup> )
-----	39.4" x 5.9": 23 pieces (37.14 ft <sup>2</sup> or 3.45 m <sup>2</sup> )
-----	39.4" x 39.4": 1 piece (10.76 ft <sup>2</sup> or 1 m <sup>2</sup> )
-----	47.2" x 7.9": 14 pieces (36.17 ft <sup>2</sup> or 3.36 m <sup>2</sup> )
-----	59.1" x 5.9": 27 pieces (65.44 ft <sup>2</sup> or 6.08 m <sup>2</sup> )
-----	59.1" x 11": 14 pieces (63.29 ft <sup>2</sup> or 5.88 m <sup>2</sup> )
-----	70.9" x 12.6": 9 pieces (55.76 ft <sup>2</sup> or 5.18 m <sup>2</sup> )
HP-----	29.5" x 5.9": 46 pieces (55.76 ft <sup>2</sup> or 5.18 m <sup>2</sup> )

## 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 LVT 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 0.001" 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:

6dB when tested in accordance with ISO 717-2, Impact Sound Insulation Test.  
IIC 51 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 – 150; SDC – 255 when tested in accordance to CAN/ULC S102.2, Standard Test Method for Flame Spread Rating and Smoke Development.

**2.12 Chemical Resistance:  
(Exposure Time – 1h)\***

Diluted Acids – Nitric, Hydrochloric, Acetic,  
 Lactic, Citric ----- No Change  
 Sulfuric Acid ----- Moderate Color Change  
 Isopropyl Alcohol (70%) ----- No Change  
 Sodium Hydroxide (5%) ----- No Change  
 Ammonia (5%), Acetone----- No Change  
 Phenol (5%) ----- No Change  
 Slightly Alkaline Soda or Soap Solution ----- No Change  
 Gasoline, Kerosene, White Spirit, Paraffin ----- No Change  
 Benzene, Toluene, Methyl Alcohol, Ethyl  
 Acetate, Methyl Ethyl Ketone, Ether ----- No Change  
 Mineral Oil, Olive Oil, Vegetable Oil ----- 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, 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 LVT is NOT resistant to prolonged  
 exposure to high alkalis.

**3. INSTALLATION**

**3.1 Adhesive:**

Use Forbo T 940, Forbo Sustain 1195 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.

**5. CARE & CLEANING**

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