

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
Humboldt Industrial Park
Hazleton, PA 18202

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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 ² or 3.45 m ²)
-----	19.7" x 19.7": 14 pieces (37.67 ft ² or 3.5 m ²)
-----	39.4" x 5.9": 23 pieces (37.14 ft ² or 3.45 m ²)
-----	39.4" x 39.4": 1 piece (10.76 ft ² or 1 m ²)
-----	47.2" x 7.9": 14 pieces (36.17 ft ² or 3.36 m ²)
-----	59.1" x 5.9": 27 pieces (65.44 ft ² or 6.08 m ²)
-----	59.1" x 11": 14 pieces (63.29 ft ² or 5.88 m ²)
-----	70.9" x 12.6": 9 pieces (55.76 ft ² or 5.18 m ²)
HP -----	29.5" x 5.9": 46 pieces (55.76 ft ² or 5.18 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 LVT contributes to LEED® v4 credits. For additional information, contact Forbo Flooring Systems.

2.3 Castor Resistance:

Suitable for office chairs with castors when tested in accordance with EN 425, Castor Chair 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:

5dB 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-----Slight Color Change
 Isopropyl Alcohol (70%) -----No Change
 Sodium Hydroxide (5%) -----Softening
 Ammonia (5%), Acetone ----- Possible Softening/Staining
 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:

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.