

FORBO ALLURA DECIBEL TECHNICAL DATA

1. PRODUCT NAME & MANUFACTURER

1.1 Product:

Forbo Allura Decibel 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 Decibel 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 D3S core technology provides the best dimensional stability while contributing to its acoustical properties.

1.4 Physical Characteristics:

(dimensions are approximate)

Size -----	19.7" x 19.7" (50 cm x 50 cm)
-----	39.4" x 6.5" (100 cm x 16.6 cm)
-----	39.4" x 7.9" (100 cm x 20 cm)
-----	47.2" x 7.9" (120 cm x 20 cm)
Gauge-----	0.157" (4.0 mm)
Wear Layer-----	31.50 mils (0.03" or 0.8 mm)
Packaging-----	19.7" x 19.7": 16 pieces (43.06 ft ² or 4 m ²)
-----	39.4" x 6.5": 24 pieces (42.84 ft ² or 3.98 m ²)
-----	39.4" x 7.9": 22 pieces (47.36 ft ² or 4.40 m ²)
-----	47.2" x 7.9": 16 pieces (41.33 ft ² or 3.84 m ²)
Weight/Carton	19.7" x 19.7": 31.86 lbs. (14.45 kg)
-----	39.4" x 6.5": 31.70 lbs. (14.70 kg)
-----	39.4" x 7.9": 35.05 lbs. (15.89 kg)
-----	47.2" x 7.9": 30.58 lbs. (13.87 kg)

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 A

2.2 Environmental:

Compliant with CDPH 01350 v1.2 requirements for VOC emissions and indoor air quality.

Forbo Allura Decibel contributes to LEED® v4 credits. For additional information, contact Forbo Flooring Systems.

2.3 Static Load Limit:

Residual compression of 0.003" 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 ISO 4918, Castor Chair Continuous Use Test.

2.6 Acoustic Testing:

19dB when tested in accordance with ISO 717-2, Impact Sound Insulation Test.

IIC 67 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.

STC 62 when tested in accordance with ASTM E 90, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

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 – 215; SDC – 170 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)*

Acetic Acid 5%-----	No Change
Sulfuric Acid -----	No Change
Isopropyl Alcohol (70%)-----	No Change
Mineral /Olive / Vegetable Oil; Animal Fat -----	No Change
Sodium Hydroxide (5%)-----	No Change
Hydrochloric Acid (5%)-----	No Change
Ammonia (5%), Acetone-----	No Change
Gel-Based Hand Sanitizer, Bleach -----	No Change
Phenol (5%)-----	No Change
Gasoline, Kerosene, White Spirit, Paraffin -----	No Change
Kerosene-----	No Change
Hot Chili Paste -----	No Change
Betadine, Shoe Polish, Hair Dye-----	No Change
Iodine, Methylene Blue-----	Slight Change
Blood, Urine, Excrement -----	No Change
Lipstick -----	No Change

Tested in accordance with ASTM F 925, Standard Test Method Resistance to Chemicals of Resilient Flooring.

*Forbo Allura Decibel is NOT resistant to prolonged exposure to high alkalis.

3. INSTALLATION

3.1 Adhesive:

Use Forbo FST 1299, 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.