

Residential 0.3

TECHNICAL DATA SHEET



LVT MULTILAYER FLOORING

BY ASPECTA®

PHYSICAL PROPERTIES & PACKAGING – MODULAR MULTILAYER FLOORING 6.5MM/0.3MM	
Size	220mm x 1210mm (8.66" x 47.64")
Construction: Extruded Vinyl Core Top Layer Pre-Attached Underlayment	4.0mm (0.157") ISOCORE Technology® 1.5mm (0.059") Luxury Vinyl Tile (LVT) 1.0mm (0.039") HDPE
Use	Light Commercial & Residential
Wear Layer	0.3mm (12mil)
Edge Detail	Micro-Bevel Edge
Finish	Urethane with Enhanced Ceramic Bead (ECB)
Embossing(s)	Natural Timber
Thickness	6.5mm (0.256")
Pieces/Carton	7
Coverage/Piece	0.266m ² (2.86 Sq.Ft.)
Coverage/Carton	1.862m ² (20.02 Sq.Ft.)
Coverage/Pallet	40 Cartons (74.48m ² / 801.7 Sq.Ft.)
Coverage/Container	30 Pallets (2.234,4m ² / 24050.88 Sq.Ft.)
Limited Warranty	5 Year Light Commercial 10 Year Domestic

EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE (EN 16511)				
Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN ISO 10582 EN ISO 10874		Commercial - Moderate (Class 31) Wear Layer (Nominal): ≥0.3mm Thickness (Nominal): ≥2.0mm	Passes Requirements (Nominal)
Resistance to Staining [Grade, per Group] –	EN 438-2 (Group 1 – Only 10 Minutes)		N/A	Groups 1 and 2: Grade 5 Group 3: Grade 5
Locking Strength	ISO 24334		N/A	Long Side ≥1.0kN/m Short Side ≥1.5kN/m
Length (l)	ISO 24337		≤1500mm: Δl ≤0.5mm l >1500mm: Δl ≤0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)			Δw _{avg} ≤0.10mm (Versus Nominal) w _{max} - w _{min} ≤0.20mm	Passes Requirements
Squareness (q)			q _{max} ≤0.20mm	Passes Requirements
Straightness (s)			s _{max} ≤0.30mm/m	Passes Requirements
Thickness	ISO 24337		Δt _{avg} ≤0.50mm (Versus Nominal) t _{max} - t _{min} ≤0.50mm	Passes Requirements

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Dimensional Stability Due to Variation of Temperature	EN ISO 23999		N/A	≤0.25%
Flatness (f)	ISO 24337	N/A	Maximum Single Values: f _{w,concave} ≤0.15%, f _{w,convex} ≤0.20% f _{l,concave} ≤0.50%, f _{l,convex} ≤1.00%	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: O _{avg} ≤0.15mm, O _{max} ≤0.20mm	Passes Requirements
Height Difference (h)	ISO 24337	N/A	h _{avg} ≤0.10mm h _{max} ≤0.15mm	Passes Requirements
Colour Fastness to Light	ISO 105-B02, Method 2		N/A	≥Grade 6
Castor Chair Resistance	EN 425		After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions	Passes Requirements

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING

Description	Standard	Symbol	Requirements	Results
CE Certification	EN 14041		Refer to Standards Below	Refer to Results Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		B_{fl} - s1 Critical Flux: ≥8.0kW/m ² Flame Spread: ≤150mm within 20s Smoke Value as % x min: ≤750	Passes Requirements
Content of PCP (Pentachlorophenol)	EN 14041		<5ppm	Passes Requirements
Formaldehyde Emission	EN 717-1		Class E1: Release ≤0.124mg/m ³	Passes Requirements
Slip Resistance (Dry)	EN 13893		Class DS: Coefficient of Friction ≥0.3	Surpasses Requirements

EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY

Description	Standard	Symbol	Requirements	Results
Slip Resistance (Wet)	DIN 51130	N/A	Grade R9: ≥6° and <10°	Passes Requirements
Chemical Resistance	EN ISO 26987 / EN 423		N/A	No Effect



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Thermal Resistance	EN 12664		N/A	0.069 m²K/W at 10°C
Impact Sound Insulation ¹	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_w = 18\text{dB}$
Product-Content Safety	REACH SVHC 169	N/A	Refer to Standard	Passes Requirements
Heavy Metals	EN 71-3	N/A	Refer to Standard	Passes Requirements

Footnotes

1) Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8): ΔL_w = Weighted Reduction of Impact Sound Pressure Level

The manufacturing facility is ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) certified.