

ELEMENTAL MULTILAYER 8mm/0.55 – DROPLOCK100™

TECHNICAL DATA SHEET







ELEMENTAL

LVT MULTILAYER FLOORING

BY ASPECTA

XL PLANK

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING – 8.0MM/0.55MM)	
Collection	Elemental ML-ISOCORE PLANK-XL Iconic Oak
Use	Commercial and residential use
Size	220mm x 1510mm (8.66" x 59.45")
Thickness - Wear Layer	0,55 mm (22 mil)
Thickness - Overall	8,0 mm (0.315")
Top Layer	2,0 mm (0.079") LVT
Core	4,0 mm (0.157") ISOCORE
Pad	2,0 mm (0.079") HDPE
Edge Detail	4 sided Micro-Bevel Edge
Finish	Duraspect™ Extreme Surface Protectant
Embossing(s)	In-Register
Mass per Unit Area	7.88kg/m ²
Pieces/Carton	8
Coverage/Piece	0.332 m ² (3.575 Sq.Ft.)
Coverage/Carton	2.66 m ² (28.6 Sq.Ft.)
Coverage/Pallet	32 Cartons/Pallets (85,04 m ² / 915.36 Sq.Ft.)
Coverage/Container	21 Pallets/Container (1785,91 m ² / 19222.56 Sq.Ft.)
Warranty ⁽¹⁾	Material: 20 years (100%) Labour: 10 years (Pro rata)

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING				
Description	Standard	Symbol	Requirements	Results
CE Certification	EN 14041		Refer to Standards Below	Passes Requirements (Refer to Results Below)
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - s1 Classification 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		<0.1ppm	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
Thermal Resistance	EN 12664		N/A	0.08800m ² K/W at 10°C

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EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE				
Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Heavy (Class 33) Refer to Standards Below	Passes Requirements (Refer to Results Below)
Wear Resistance IP, Method A	EN 13329, Annex E		≥2,000 Cycles	Surpasses Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		≥1600mm	Surpasses Requirements
Micro-Scratch Resistance [Class]	EN 16094, Method B	N/A	≤MSR-B2	Passes Requirements (MSR-B2)
Castor Chair Resistance	EN 425		After 25,000 Cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions	Passes Requirements
Effect of Furniture Leg	EN 424		No Visible Damage	Passes Requirements
Residual Indentation	EN ISO 24343-1		≤0.2mm	Surpasses Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 - Only 10 Minutes)		Groups 1 and 2: Grade 5 Group 3: Grade 4	Passes Requirements
Locking Strength	ISO 24334		Long Side ≥1.0kN/m Short Side ≥1.5kN/m	Surpasses Requirements
Length (l)			l > 1500mm: Δl ≤0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)	ISO 24337		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 (f)	ISO 24337		Δt _{avg} ≤0.50mm (Versus Nominal) t _{max} - t _{min} ≤0.50mm	Passes Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Surpasses Requirements
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

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EUROPEAN / INTERNATIONAL STANDARDS - AUXILIARY PERFORMANCE & SAFETY				
Description	Standard	Symbol	Requirements	Results
Slip Resistance (Wet)	DIN 51130	N/A	Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes/ Surpasses Requirements
Slip Resistance (Australia/New Zealand)	AS 4586	N/A	Wet Pendulum (Slider 96) P4: 45-54 SRV Oil-Wet Inclining Platform Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes/ Surpasses Requirements
Cooling Phase - Shrinkage (23°C to 5°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.03\%$ Curling: $\leq 0.3\text{mm}$
Heating Phase - Expansion (23°C to 40°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.03\%$ Curling: $\leq 0.3\text{mm}$
Static Electrical	EN 1815, Method A		N/A	< 2kV
Propensity	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_w = 19 \text{ dB}$
A-weighted walking sound pressure level	EN 16205:2013		N/A	$L_{n,walk,A} = 84 \text{ dB(A)}$
Product-Content Safety	REACH SVHC 169	N/A	Refer to Standard	Passes Requirements

Footnotes

1) Warranty: Please see full terms and conditions of our warranties at www.elementalbyaspecta.com

2) 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.