

ELEMENTAL MULTILAYER 8mm/0.55 – DROPLOCK100™

TECHNICAL DATA SHEET







ELEMENTAL

LVT MULTILAYER FLOORING

BY ASPECTA

CHEVRON PLANK (45) & RECTANGULAR TILE

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 8.0 MM / 0.55 MM)		
Collection	Elemental ML-ISOCORE: CHEVRON (45)	Elemental ML-ISOCORE: RECTANGULAR TILE
Use	Commercial & Residential	Commercial & Residential
Size (mm)	690 x 120 mm (27.17" x 4.72")	906 x 448 mm (35.67" x 17.64")
Thickness - Wear Layer	0,55 mm (22 mil)	0,55 mm (22 mil)
Thickness - Overall	8,0 mm (0.315")	8,0 mm (0.315")
Top Layer	2,0 mm (0.079") LVT	2,0 mm (0.079") LVT
Core	5,0 mm (0.197") ISOCORE	5,0 mm (0.197") ISOCORE
Pad	1,0 mm (0.039") HDPE	1,0 mm (0.039") HDPE
Edge Detail	4 sides Micro-bevel	4 sides Micro-bevel
Finish	Duraspect™ Extreme Surface Protectant	Duraspect™ Extreme Surface Protectant
Embossing	In-Register	Textured Concrete
Mass per Unit Area	8,98 kg/m ²	8,98 kg/m ²
Coverage - Carton	22 Pieces (19.59 Sq. Ft. / 1,82 m ²)	6 Pieces (26.26 Sq. Ft. / 2,44 m ²)
Coverage - Pallet	50 Cartons (980.38 Sq. Ft. / 91,08 m ²)	34 Cartons (891.25 Sq.ft. / 82,80 m ²)
Coverage - Container	14 Pallets (13725.28 Sq.ft. / 1275,12 m ²)	24 Pallets (31390.37 Sq.ft. / 1987,23 m ²)
Warranty ⁽¹⁾	15 years Commercial 20 years Residential	15 years Commercial 20 years Residential

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		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		<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 ≥ 0.30	Passes Requirements
Thermal Resistance Thermal Conductivity	EN 12664		N/A	0.074 (m ² .K/W) 0.108 (W/m.k)

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EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE (EN 16511)				
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		≥4,000 cycles	Passes Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		≥1800mm	Passes Requirements
Micro-Scratch Resistance [Class]	EN 16094, Method B	N/A	≤MSR-B2	Passes Requirements
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		≤0.15mm	Passes Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 - Only 10 Minutes)		Groups 1, 2 & 3: Grade 5	Passes Requirements
Locking Strength	ISO 24334		Long Side ≥ 2.0kN/m Short Side ≥ 3.5kN/m	Passes Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Passes Requirements
Thickness (t)	ISO 24337		Δavg ≤ 0.50mm (Versus Nominal) tmax - tmin ≤ 0.50mm	Passes Requirements
Length (l)			l ≤ 1500mm: Δl ≤ 0.5mm l > 1500mm: Δl ≤ 0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)	ISO 24337		Δwavg ≤ 0.10mm (Versus Nominal) wmax - wmin ≤ 0.20mm	Passes Requirements
Squareness (q)			qmax ≤ 0.20mm	Passes Requirements
Straightness (s)			smax ≤ 0.30mm/m	Passes Requirements
Flatness (f)	ISO 24337	N/A	Maximum Single Values: fw,concave ≤ 0.15%, fw,convex ≤ 0.20% fl,concave ≤ 0.50%, fl,convex ≤ 1.00%	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: oavg ≤ 0.15mm, omax ≤ 0.20mm	Passes Requirements
Height Difference (h)	ISO 24337	N/A	havg ≤ 0.10mm hmax ≤ 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
Slip Resistance (Australia / New Zealand)	AS 4586	N/A	Wet Pendulum (Slider 96) P3: 35-44 SRV Oil-Wet Inclining Platform Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes
Static Electrical Propensity	EN 1815, Method A		$\leq 2.0\text{kV}$	Passes Requirements
Colour Fastness to Light	ISO 105-B02, Method 3		$\geq \text{Grade 6}$	Passes Requirements
Impact Sound Insulation ⁽²⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_W = 18 \text{ dB}$
A-weighted walking sound pressure level	EN 16205:2013		N/A	$L_{n,walk, A} = 85 \text{ dB(A)}$
Product-Content Safety	REACH SVHC 201	N/A	Refer to Standard	Passes Requirements
Heavy Metals	EN71-3	NA	Refer to Standard	Not detected

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.