

ELEMENTAL MULTILAYER 8mm/0.55 DROBLOCK400

TECHNICAL DATA SHEET







ELEMENTAL

LVT MULTILAYER FLOORING

BY ASPECTA

HERRINGBONE & SQUARED TILE

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 8.0MM/0.55MM)		
Collections	Herringbone Collection Woods	Squared Tile Stone
Use	Commercial & Residential	Commercial & Residential
Size	720mm x 120 mm (28.34" x 4.72")	600mm x 600mm (23.62" x 23.62")
Thickness - Wear Layer	0.55mm (22mil)	0.55mm (22mil)
Thickness - Overall	8.0mm (0,315")	8.0mm (0,315")
Top Layer	2.0mm (0.079") Luxury Vinyl Tile (LVT)	2.0mm (0.079") Luxury Vinyl Tile (LVT)
Core	5.0mm (0.197") ISOCORE Technology™	5.0mm (0.197") ISOCORE Technology™
Pad	1.0mm (0.039") Honeycomb HDPE	1.0mm (0.039") Honeycomb HDPE
Edge Detail	4 sides Micro-Bevel Edge	4 sides Micro-Bevel Edge
Finish	Duraspect™ Extreme Surface Protectant	Duraspect™ Extreme Surface Protectant
Embossing	In-Register	Textured Concrete / Coral
Mass per Unit Area	8,98 kg/m ²	8,98 kg/m ²
Pieces/Carton	24	6
Coverage/Piece	0,09 m ² (0.97 ft ²)	0,36 m ² (3.88 ft ²)
Coverage/Carton	2,07 m ² (22.28 ft ²)	2,16 m ² (23.25 ft ²)
Coverage/Pallet	45 boxes/ 93,31 m ² (1004.38 ft ²)	34 boxes/ 73,44 m ² (790.50 ft ²)
Coverage/Container (20Ft)	22 pallets/ 2052,86 m ² (22096.80 ft ²)	26 pallets/ 1,909,44 m ² (20553.04 ft ²)
Warranty ⁽¹⁾	15 year Commercial 20 year Residential	15 year Commercial 20 year 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		Δtavg ≤ 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.