

DL400 Multilayer 0.55

TECHNICAL DATA SHEET DROPLOCK400



PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING – 8.0MM/0.55MM)

	Herringbone Collection (Emboss) Woods	Square Tile (Rough Concrete Emboss) Stone
Series & Collections	<ul style="list-style-type: none"> • Limed Oak Grey (In-Register) • Scandinavian Oak Washed (In-Register) • Scandinavian Oak Treated (In-Register) • Scandinavian Oak Stained (In-Register) • Classic Oak Natural (Natural Timber) 	<ul style="list-style-type: none"> • Modern Concrete Camden (Textured Concrete) • Modern Concrete Sutton (Textured Concrete) • Modern Concrete Bexley (Textured Concrete) • Worn Screed Onyx (Coral) • Worn Screed Achat (Coral) • Classic Marble (Textured Concrete)
Construction: Extruded Vinyl Core Top Layer Pre-Attached Underlayment	5.0mm (0.197") ISOCORE Technology™ 2.0mm (0.079") Luxury Vinyl Tile (LVT) 1.0mm (0.039") Honeycomb HDPE	5.0mm (0.197") ISOCORE Technology™ 2.0mm (0.079") Luxury Vinyl Tile (LVT) 1.0mm (0.039") Honeycomb HDPE
Use	Commercial & Residential	Commercial & Residential
Size	120mm x 720mm (4.7244" x 28.347")	600mm x 600mm (23.62" x 23.62")
Wear Layer	0.55mm (22mil)	0.55mm (22mil)
Edge Detail	Micro-Bevel Edge	Micro-Bevel Edge
Finish	Duraspect™ Extreme Surface Protectant	Duraspect™ Extreme Surface Protectant
Gauge	8.0mm (0,315")	8.0mm (0,315")
Mass per Unit Area	8,86 kg/m ²	8,86kg/m ²
Pieces/Carton	24	6
Coverage/Piece	0,09 (0,93 ft ²)	0,36 m ² (3,88 ft ²)
Coverage/Pallet	36 boxes/ 74,65 m ² (803,53 ft ²)	34 boxes/ 73,44 m ² (790,50 ft ²)
Coverage/Container (20Ft)	30 pallets/2.239,49 m ² (24105,67 ft ²)	26 pallets/ 1.909,44 m ² (20553,04 ft ²)
Limited Warranty ¹	Material:20 years (100%) Labor: 10 Years (Pro-Rated)	Material:20 years (100%) Labor: 10 Years (Pro-Rated)

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 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	EN 12664		N/A	0.074 (m ² .K/W)
Thermal Conductivity				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 – Very Heavy (Class 34) 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		$\Delta f_{avg} \leq 0.50\text{mm}$ (Versus Nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$	Passes Requirements
Length (l)	ISO 24337		$l \leq 1500\text{mm}$: $\Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}$: $\Delta l \leq 0.3\text{mm/m}$ (Versus Nominal)	Passes Requirements
Width (w)			$\Delta w_{avg} \leq 0.10\text{mm}$ (Versus Nominal) $w_{max} - w_{min} \leq 0.20\text{mm}$	Passes Requirements
Squareness (q)			$q_{max} \leq 0.20\text{mm}$	Passes Requirements
Straightness (s)			$s_{max} \leq 0.30\text{mm/m}$	Passes Requirements
Flatness (f)	ISO 24337	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15\text{mm}$, $o_{max} \leq 0.20\text{mm}$	Passes Requirements

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Height Difference (<i>h</i>)	ISO 24337	N/A	$h_{avg} \leq 0.10\text{mm}$ $h_{max} \leq 0.15\text{mm}$	Passes Requirements
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) **Limited Commercial 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.