






IC55 Isocore Light









Technical Data Sheet

PHYSICAL PROPERTIES & PACKAGING - MODULAR MULTILAYER FLOORING 6.3MM/0.55MM	
Collection	Isocore Light 6.3/0.55mm
Use	Light Commercial & Residential
Size	220 mm x 1210 mm (8.66" x 47.64")
Thickness - overall	6.3 mm
Construction: Extruded Vinyl Core Top Layer Pre-Attached Underlayment	4.0 mm (0.157") ISOCORE Technology® 1.5 mm (0.059") Luxury Vinyl Tile (LVT) 0.8 mm (0.032") IXPE
Wear Layer - Thickness	0.55 mm
Embossing(s)	Natural Timber
Patented Click System	DL100
Mass per Unit Area	1.004 g/cm ³
Pieces/Carton	7 Pieces
Coverage/Carton	1.86 m ²
Coverage/Pallet	44 Cartons (81.84 m ²)
Coverage/Container	30 Pallets (2455.20 m ²)
Warranty	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	Refer to Results Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - 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	Passes Requirements

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EUROPEAN / INTERNATIONAL STANDARDS - MANUFACTURING & USAGE (EN 16511)				
Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN ISO 16511		Commercial - Heavy (Class 33) Refers to standard below	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 $\geq 1.0\text{kN/m}$ Short Side $\geq 1.5\text{kN/m}$
Length (l)	EN 717-1		$\leq 1500\text{mm}$: $\Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}$: $\Delta l \leq 0.3\text{mm/m}$ (Versus Nominal)	Passes Requirements
Width (w)			$\Delta w_{\text{avg}} \leq 0.10\text{mm}$ (Versus Nominal) $w_{\text{max}} - w_{\text{min}} \leq 0.20\text{mm}$	Passes Requirements
Squareness (q)			$q_{\text{max}} \leq 0.20\text{mm}$	Passes Requirements
Straightness (s)			$s_{\text{max}} \leq 0.30\text{mm/m}$	Passes Requirements
Thickness	ISO 24337		$\Delta t_{\text{avg}} \leq 0.50\text{mm}$ (Versus Nominal) $t_{\text{max}} - t_{\text{min}} \leq 0.50\text{mm}$	Passes Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999 / EN 434		N/A	$\leq 0.25\%$
Flatness (f)	ISO 24337	N/A	Maximum Single Values: $f_{w,\text{concave}} \leq 0.15\%$, $f_{w,\text{convex}} \leq 0.20\%$ $f_{l,\text{concave}} \leq 0.50\%$, $f_{l,\text{convex}} \leq 1.00\%$	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{\text{avg}} \leq 0.15\text{mm}$, $o_{\text{max}} \leq 0.20\text{mm}$	Passes Requirements
Height Difference (h)	ISO 24337	N/A	$h_{\text{avg}} \leq 0.10\text{mm}$ $h_{\text{max}} \leq 0.15\text{mm}$	Passes Requirements
Colour Fastness to Light	ISO 105-B02, Method 2		N/A	\geq Grade 6
Castor Chair Resistance	EN 425		After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions	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 R9: $\geq 6^\circ$ and $< 10^\circ$	Passes Requirements
Chemical Resistance	EN ISO 26987 / EN 423		N/A	No Effect
Thermal Resistance	EN 12664		N/A	0.069 m ² K/W at 10°C
Impact Sound Insulation ¹	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta LW = 18\text{dB}$
Product-Content Safety	REACH SVHC 209	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): ΔLW = Weighted Reduction of Impact Sound Pressure Level

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

