

ISOCORE 2.0

TECHNICAL DATA SHEET

CELLO

PHYSICAL PROPERTIES & PACKAGING (ISOCORE FLOORING - 6.5 / 0.55 MM)		
Collection	PLANK	
Use	Commercial & Residential	
Size	120 x 720 mm	
Thickness - Overall	6.5 mm	
Product Construction	4.0 mm ISOCORE Technology® 1.5 mm Luxury Vinyl Tile (LVT) 1.0 mm IXPE	
Wear Layer - Thickness	0.55mm	
Edge Detail	4 sides bevelled	
Embossing	IRE embossing	
Patented Click System	Drop lock 400N	
Mass per Unit Area	6.526 kg/m2	
Pieces/Carton	24 pieces	
Coverage/Carton	2.07 m2	
Coverage/Pallet	40 boxes (82.8 m2)	
Coverage/Container	30 pallets (2484 m2)	
Warranty ⁽¹⁾	Material: 20 years (100%) Labour: 10 years (Pro rata)	

EUROPEAN / INTERNATIONAL STANDARDS - CE CERTIFICATION / TESTING			
Description	Standard	Symbol	Results
CE Certification	EN 14041		Refer to Standards Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - s1
Formaldehyde Emission	EN 717-1		Class E1
Content of PCP (Pentachlorophenol)	EN 12673:1999		Not detected
Slip Resistance (Dry)	EN 13893		Class DS
Static Electrical Propensity	EN 1815, Method A		Antistatic ≤2,0kV
Thermal Resistance Thermal Conductivity	EN 12664		R23 = 0.077(m2 . K)/W λ23 = 0.081W/m . K

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EUROPEAN / INTERNATIONAL STANDARDS - MANUFACTURING & USAGE (EN 16511)			
Description	Standard	Symbol	Results
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Heavy (Class 33) Refers to standard below
Wear Resistance IP	ISO 24338 Procedure A ,		≥ 5000 cycles
Impact Resistance (Big Ball)	EN 13329:2006+A1:2008, Annex F		No Damage
Micro-Scratch Resistance [Class]	EN 16094, Method A	N/A	MSR-A2
Castor Chair Resistance	EN ISO 4918		After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions
Effect of Furniture Leg	EN ISO 16581 (tested with foot type 0)		No Visible Damage
Residual Indentation	EN ISO 24343-1		≤0.15mm
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 & 3 - Only 10 Minutes)		Groups 1, 2 & 3: Grade 5
Locking Strength	ISO 24334		Long Side ≥ 1.0 kN/m Short Side ≥ 1.5 kN/m
Dimensional stability under influence of temperature and Curling	EN ISO 23999		≤0.15% ≤< 2 mm
Thickness (t)	EN 17539		$\Delta t_{avg} \leq 0.50\text{mm}$ (Versus Nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$
Length (l)	EN 17539		$l \leq 1500\text{mm}$: $\Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}$: $\Delta l \leq 0.3\text{mm/m}$ (Versus Nominal)
Width (w)			$\Delta_{wavg} \leq 0.10\text{mm}$ (Versus Nominal) $w_{max} - w_{min} \leq 0.20\text{mm}$
Squareness (q)			$q_{max} \leq 0.20\text{mm}$
Straightness (s)			$s_{max} \leq 0.30\text{mm/m}$
Flatness (f)	EN 17539	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$
Openings (o)	EN 17539	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15\text{mm}$, $o_{max} \leq 0.20\text{mm}$
Height Difference (h)	EN 17539	N/A	$h_{avg} \leq 0.10\text{mm}$ $h_{max} \leq 0.15\text{mm}$

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EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY			
Description	Standard	Symbol	Results
Colour Fastness to Light	ISO 105-B02, Method 3		≥Grade 6
Slip Resistance (Wet)	DIN EN 16165 Annex B, C	N/A	R10 Low Slip Potential
Resistance to Staining	EN ISO 26987:2012		INDEX 0
Impact Sound Insulation ⁽²⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		$\Delta L_w = 19$ dB
A-weighted walking sound pressure level	EN 16205:2013		$L_{n,walk}^* A = 80$ dB(A)
Product-Content Safety	REACH SVHC	N/A	Not Detected

Footnotes

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

2) **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.

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