

PREMIUM RIGID CORE 5,2 mm – 0.55

TECHNICAL DATA SHEET

ELEMENTAL

RIGID CORE FLOORING








BY ASPECTA
PREMIUM

PLANK

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING – 5,2 / 0,55 MM)

Series & Collections	Woods	Iconic Oak, Como Iconic Oak, Prespa Iconic Oak, Bolsena Iconic Oak, Albano Iconic Oak, Constance Iconic Oak, Brienz Iconic Oak, Arezzo Iconic Oak, Lomond Iconic Oak, Naturel
	Construction	Extruded Vinyl Core
	Extruded Vinyl Core	4,2 mm (0.17") (including printfilm)
	Pre-Attached Underlayment	1,0 mm (0.04") HDPE
	Use	Commercial & Residential
	Size	1510 mm x 220 mm (59.45" x 8.66")
	Wear Layer	0.55 mm (22 mil)
	Edge Detail	4 sides Micro-Bevel Edge
	Finish	Duraspect™ Extreme Surface Protectant
	Embossing	In-Register
Thickness	5,2 mm (0.21")	
Pieces/Carton	6	
Coverage/Piece	0,33 m ² (3.55 Sq.Ft)	
Coverage/Carton	1,99 m ² (21.42 Sq.Ft)	
Coverage/Pallet	56 Cartons/Pallet (111,62 m ²) (1201.47 Sq.Ft)	
Coverage/Container	21 Pallets/Container (2344,00 m ²) (25230.61 Sq.Ft)	
Limited warranty Commercial and residential use	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 Standards Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - s1 Classification Critical Flux: $\geq 8.0 \text{ kW/m}^2$ Flame Spread: $\leq 150 \text{ mm}$ within 20s Smoke value as % x min: ≤ 750	Passes Requirements
Formaldehyde Emission	EN 717-1		Class E1: Release $\leq 0.124 \text{ mg/m}^3$	Passes Requirements
Content of PCP (Pentachlorophenol)	EN 12673:1999		<5ppm	Passes Requirements
Slip Resistance (Dry)	EN 13893		Class DS: Coefficient of Friction ≥ 0.30	Surpasses Requirements
Static Electrical Propensity	EN 1815, Method A		Antistatic Floor Coverings: $\leq 2,0 \text{ kV}$ (Absolute Value)	Passes Requirements/Antistatic
Thermal Resistance Thermal Conductivity	EN 12664		N/A (No Official Requirements)	TR= 0,051 (m ² .K)/W TC= 0,102 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	Surpasses Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		No Cracks	Surpasses Requirements
Micro-Scratch Resistance [Class] 3	EN 16094, Method B	N/A	MSR-A2 /MSR-B1	Passes / Surpasses
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	Surpasses Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 & 3 - 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	Surpasses Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Surpasses Requirements
Thickness (t)	ISO 24337		$\Delta t_{avg} \leq 0.50\text{mm}$ (Versus Nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$	Passes Requirements
Length (l)			$l \leq 1500\text{mm}: \Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}: \Delta l \leq 0.3\text{mm/m}$ (Versus Nominal)	Passes Requirements
Width (w)	ISO 24337		$\Delta w_{avg} \leq 0.10\text{mm}$ (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
Height Difference (h)	ISO 24337	N/A	$h_{avg} \leq 0.10\text{mm}$ $h_{max} \leq 0.15\text{mm}$	Passes Requirements

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EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY				
Description	Standard	Symbol	Requirements	Results
Colour Fastness to Light	ISO 105-B02, Method 3		≥Grade 6	Passes Requirements
Slip Resistance (Wet)	DIN 51130	N/A	Grade R10: ≥10° and <19°	Surpasses Requirements
Slip Resistance (Australia / New Zealand)	AS 4586	N/A	Wet Pendulum (Slider 96) P4: 45-54 SRV Oil-Wet Inclining Platform Grade R9: ≥6° and <10°	Passes / Surpasses
Slip Resistance (UK)	BS 7976-2+A1	N/A	Ratings - Slip Potential Low: 36+ PTV Moderate: 25-35 PTV High: 0-24 PTV	Low Slip Potential - Dry & Wet
Resistance to Staining	EN ISO 26987:2012		N/A (No Official Requirements)	0 (Not Affected/Unchanged)
Density	EN ISO 23996:2012/ ISO 23996:2007 Method A	N/A	N/A	1589 kg/m ³
Thickness of wear layer	ISO 24340: 2006	N/A	N/A	Surpasses Requirements
Impact Sound Insulation ¹⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_W = 20$ dB
A-weighted walking sound pressure level	EN 16205:2013		N/A	$L_{n,walk, A} = 80$ dB(A)
Product-Content Safety	REACH SVHC 191	N/A	Refer to Standard	Passes Requirements

FOOTNOTES

1) **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.