

Rigid Core 0.55

TECHNICAL DATA SHEET

ELEMENTAL







RIGID CORE FLOORING

BY ASPECTA

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

Series & Collections	Woods	Tiles
	<ul style="list-style-type: none"> Country Oak Fumed Country Oak Natural Country Oak Ivory Modern Oak Graphite Modern Oak Nordic Modern Oak Grey 	<ul style="list-style-type: none"> Authentic Concrete Pewter Authentic Concrete Titanium Authentic Concrete Oxide Authentic Concrete Steel Authentic Concrete Lead
Construction Extruded Vinyl Core Pre-Attached Underlayment	4,2 mm (including printfilm) 1,0 mm HDPE	4,2 mm (including printfilm) 1,0 mm HDPE
Use	Commercial & Residential	Commercial & Residential
Size	1210 mm x 180 mm	906 mm x 448 mm
Wear Layer	0.55 mm	0.55 mm
Edge Detail	4 sides Micro-Bevel Edge	4 sides Micro-Bevel Edge
Finish	Urethane with Ceramic Bead (CB)	Urethane with Ceramic Bead (CB)
Embossing	Natural Timber	Textured Concrete
Thickness	5,2 mm	5,2 mm
Mass per Unit Area	7,83 kg/m ²	7,83 kg/m ²
Pieces/Carton	10	6
Coverage/Piece	0,22 m ²	0,41 m ²
Coverage/Carton	2,22 m ²	2,44 m ²
Coverage/Pallet	56 Cartons/Pallet (121,97 m ²)	48 Cartons/Pallet (116,90 m ²)
Coverage/Container	20 Pallets/Container (2439,40 m ²)	20 Pallets/Container (2337,91 m ²)
Limited Warranty	10 year commercial 15 year residential	10 year commercial 15 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		B_{fl} - s1 Classification Critical Flux: ≥8.0kW/m ² Flame Spread: ≤150mm within 20s Smoke value as % x min: ≤750	Passes Requirements
Formaldehyde Emission	EN 717-1		Class E1: Release ≤0.124mg/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: ≤2,0kV (Absolute Value)	Passes Requirements/Antistatic

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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)	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
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
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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	<u>Ratings - Slip Potential</u> 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	ΔL _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.