RIGID CORE 5,2 mm/ 0.55mm

TECHNICAL DATA SHEET

ELEMENTAL
RIGID CORE FLOORING
BY ASPECTA

XXL PLANK

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

Series & Collections	**Elemental Rigid Core XXL plank** **Nordic Oak/Select Oak**
Construction Extruded Vinyl Core Pre-Attached Underlayment	4,2 mm (including printfilm) 1,0 mm HDPE
Use	Commercial & Residential
Size	1828 mm x 220 mm
Wear Layer	0.55 mm
Edge Detail	4 sides Micro-Bevel Edge
Finish	CB coating
Embossing	Natural Timber
Thickness	5,2 mm
Mass per Unit Area	7,83 kg/m^2
Pieces/Carton	6
Coverage/Piece	0,40 m^2
Coverage/Carton	2,41 m^2
Coverage/Pallet	48 Cartons/Pallet (115,82 m^2)
Coverage/Container	18 Pallets/Container (2084,83 m^2)
Limited Warranty[1]	Commercial & Residential Product Warranty: 20 Years (100%) Labor Warranty: 10 Years pro-Rato

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING

Description	Standard	Symbol	Requirements	Results
CE Certification	EN 14041	CE	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	**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	E1 HCHO	Class E1: Release ≤0.124mg/m^3	Passes Requirements
Content of PCP (Pentachlorophenol)	EN 12673:1999	DL PCP	<5ppm	Passes Requirements
Slip Resistance (Dry)	EN 13893	DS	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
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	Passes Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		No Cracks	Passes 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	Passes 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	Passes Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Passes Requirements
Thickness (t)	ISO 24337		$\Delta t_{avg} \leq 0.50$mm (Versus Nominal) t_{max} - tmin ≤ 0.50mm	Passes Requirements
Length (l)	ISO 24337		l ≤ 1500mm: Δl ≤ 0.5mm l > 1500mm: Δl ≤ 0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)			$\Delta_{wavg} \leq 0.10$mm (Versus Nominal) w_{max} - wmin ≤ 0.20mm	Passes Requirements
Squareness (q)			$q_{max} \leq 0.20$mm	Passes Requirements
Straightness (s)			$s_{max} \leq 0.30$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: $o_{avg} \leq 0.15$mm, $o_{max} \leq 0.20$mm	Passes Requirements
Height Difference (h)	ISO 24337	N/A	$h_{avg} \leq 0.10$mm h_{max} ≤ 0.15mm	Passes Requirements

XXL PLANK

EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY				
Description	**Standard**	**Symbol**	**Requirements**	**Results**
Slip Resistance (Wet)	DIN 51130	N/A	Grade R10: ≥10° and <19°	Surpasses Requirements
Impact Sound Insulation[2]	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	ΔL_w = 20 dB
A-weighted walking sound pres- sure 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) 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): ΔLW = Weighted Reduction of Impact Sound Pressure Level

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