

Laminate Flooring

Product description: 1214x200x12 mm/1515x238x12mm/1800x200x12mm/
1800x239x12mm/AC4
Technical Data Sheet



Level of use **32 - Heavy** Domestic and General Commercial (Areas with **intense** use)

ISO 24336 / EN 13329

	Characteristics	Requirements	PD Values	Test Method
General appearance	Openings between elements, (o)	o average ≤ 0.15 mm o max. ≤ 0.20 mm	o average ≤ 0.08 mm o max. ≤ 0.09 mm	EN 13329
	Height difference between connected elements, (h)	h average ≤ 0.10 mm h max. ≤ 0.15 mm	h average ≤ 0.06 mm h max. ≤ 0.07 mm	EN 13329
	Flatness of the element - in the length, (f_l)	f_l , concave ≤ 0.50 % f_l , convex ≤ 1.00 %	f_l , concave ≤ 0.01 % f_l , convex $\leq$ N/A %	EN 13329
	Flatness of the element - in the width, (f_w)	f_w , concave ≤ 0.15 % f_w , convex ≤ 0.20 %	f_w , concave ≤ 0.03 % f_w , convex $\leq$ N/A %	
	Thickness of element, (t)	Δt average ≤ 0.50 mm	Δt average ≤ 0.05 mm	EN 13329
	Length of element, (l)	$l \leq 1500$ mm: $\Delta l \leq 0.50$ mm	Maximum $\Delta l \leq 0.10$ mm	EN 13329
	Width of element, (w)	ΔW average ≤ 0.10 mm	ΔW average ≤ 0.05 mm	EN 13329
	Squareness of element, (q)	q max. ≤ 0.20 mm	q max. = 0.07 mm	EN 13329
	Straightness of element, (S)	S max. ≤ 0.30 mm/m	S max. = 0.06 mm/m	EN 13329
	Dimensional variations after changes in relative humidity			EN 13329
	Average length variations, $\delta l_{average}$	$\delta l_{average} \leq 0.90$ mm	0.75 mm	
	Average width variations, $\delta w_{average}$	$\delta w_{average} \leq 0.90$ mm	0.85 mm	



1. Wear-Resistance Layer
2. Décor Paper
3. Moisture-resistant HDF Core
4. Balance Paper

Static indentation		residual indentation ≤ 0.05 mm	PASS	EN ISO 24343-1
Abrasion resistance		≥ 4000 cycles	PASS	EN 13329
Scratch resistance		N/A	Rating 3	EN 438-2
Micro-scratch resistance	Procedure B	$\leq$ MSR-B2	MSR-B1	EN 16094
Surface soundness		≥ 1.50 N/mm ²	Class 34	EN 13329
Impact resistance	Big ball	≥ 1600 mm	Class 34	EN 13329
Effect of a furniture leg		No damage shall be visible, when tested with foot type 0	Class 34	EN 424
Castor chair resistance		25 000 cycles, No damage	Class 34	EN 425
Thickness swelling		≤ 18 %	9.00%	EN 13329
NALFA-Laminate Surface Swell Test-Assembled Joint			Grade 1	NALFA
Locking strength - long side		$f_{l0.2} \geq 3.8$ kN/m	Class 34	ISO 24334
Locking strength - short side		$f_{s0.2} \geq 3.8$ kN/m	Class 34	
Resistance to staining	group 1, 2, 3, 4 and 5	Grade 5	Class 34	EN 438-2
Formaldehyde emission			CARB 2	CARB
Slip resistance			Class DS ($\mu \geq 0,30$)	EN 13893
Reaction to fire			B fl-s1	EN 13501-1
Light reflect values			39.40%	BS 8493