

# Laminate Flooring

Product description: 1214 x 200 x 12 mm / 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 $\leq$ 0.15 mm o max. $\leq$ 0.20 mm	o average $\leq$ 0.08 mm o max. $\leq$ 0.09 mm	EN 13329
	Height difference between connected elements, (h)	h average $\leq$ 0.10 mm h max. $\leq$ 0.15 mm	h average $\leq$ 0.06 mm h max. $\leq$ 0.07 mm	EN 13329
	Flatness of the element - in the length, (f <sub>l</sub> )	f <sub>l</sub> , concave $\leq$ 0.50 %	f <sub>l</sub> , concave $\leq$ 0.01 %	EN 13329
		f <sub>l</sub> , convex $\leq$ 1.00 %	f <sub>l</sub> , convex $\leq$ N/A %	
	Flatness of the element - in the width, (f <sub>w</sub> )	f <sub>w</sub> , concave $\leq$ 0.15 %	f <sub>w</sub> , concave $\leq$ 0.03 %	EN 13329
		f <sub>w</sub> , convex $\leq$ 0.20 %	f <sub>w</sub> , convex $\leq$ N/A %	
	Thickness of element, (t)	$\Delta t$ average $\leq$ 0.50 mm	$\Delta t$ average $\leq$ 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)	$\Delta W$ average $\leq$ 0.10 mm	$\Delta W$ average $\leq$ 0.05 mm	EN 13329
Squareness of element, (q)	q max. $\leq$ 0.20 mm	q max. = 0.07 mm	EN 13329	
Straightness of element, (S)	S max. $\leq$ 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 $\leq$ 0.05 mm	PASS	EN ISO 24343-1
Abrasion resistance		$\geq$ 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		$\geq$ 1.50 N/mm <sup>2</sup>	Class 34	EN 13329
Impact resistance	Big ball	$\geq$ 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		$\leq$ 18 %	9.00%	EN 13329
NALFA-Laminate Surface Swell Test-Assembled Joint			Grade 1	NALFA
Locking strength - long side		f <sub>l0.2</sub> $\geq$ 3.8 kN/m	Class 34	ISO 24334
Locking strength - short side		f <sub>s0.2</sub> $\geq$ 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