

LAMINATED PARQUET TECHNICAL DATA SHEET

Technical characteristics	Test/requirement standard	Requirement	Units
Thickness of the element, (t) without underlay	EN 13329 + A2	$\Delta t_{average} \leq 0,50$, relative to nominal value $t_{max} - t_{min} \leq 0,50$	mm
Thickness of the element, (t) with pre-attached underlay		$\Delta t_{average} \leq 0,50$ mm, relative to nominal value $t_{max} - t_{min} \leq 0,80$ mm	mm
Width of the surface layer, (w)		$\Delta W_{average} \leq 0,10$, relative to nominal value $W_{max} - W_{min} \leq 0,20$	mm
Length of the surface layer, (l)		$l \leq 1\,500$ mm: $\Delta l \leq 0,5$ mm $l > 1\,500$ mm: $\Delta l \leq 0,3$ mm/m	mm
Squareness of the element, (q)		$q_{max} \leq 0,20$	mm
Straightness of the surface layer, (s)		$s_{max} \leq 0,30$	mm/m
Flatness of the element		$f_{width\ concave} \leq \% 0,15$, $f_{width\ convex} \leq \% 0,20$ $f_{length\ concave} \leq \% 0,50$, $f_{length\ convex} \leq \% 1,00$	%
Openings between elements, (o)		$O_{average} \leq 0,15$, $O_{max} \leq 0,20$	mm
Height difference between elements, (h)		$h_{average} \leq 0,10$, $h_{max} \leq 0,15$	mm
Surface Soundness	EN 13329 + A2 EN 311	Class 31 $\geq 1,00$ Class 32 - 33 $\geq 1,25$	N/mm ²
Thickness swelling	EN 13329 + A2	Class 31 - 32 ≤ 18 Class 33 ≤ 15	%
Average Density	Yıldız Entegre	min. 820	kg / m ³
Moisture content	EN 322	% 4 to % 10 $H_{max} - H_{min} \leq \% 3$	%
Formaldehyde content Class E1	EN 717-1 EN ISO 12460-3	E1 için $\leq 0,124$ E1 için $\leq 3,5$	mg/m ³ mg/m ² h
Dimensional variations after changes in relative humidity, (δl , δw)	EN 13329 + A2 EN 318	$\delta l_{average} \leq 0,9$, $\delta w_{average} \leq 0,9$	mm
Abrasion resistance	EN 13329 + A2	AC3 ; ≥ 2000 AC5 ; ≥ 6000 AC4 ; ≥ 4000	Tour

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Impact Resistance to small ball	EN 13329 + A2 EN 438-2	Class 31	Big ball ≥ 500 mm	Small Ball ≥ 10 mm	N, mm
Impact Resistance to big ball		Class 32	≥ 750 mm	≥ 35 mm	
		Class 33	≥ 1000 mm	≥ 70 mm	
Locking strength	ISO 24334	Class 32 - 33	f _{l0,2} ≥ 1 (length) f _{s0,2} ≥ 2 (width)		kN/m
Resistance to staining	EN 438-2	5 (group 1ve group 2), 4 (group 3)			Grade
Effect of a furniture leg	EN 425	No damage shall be visible, when tested with foot type 0			-
Effect of a castor chair	EN 424	25 000 cycles, No damagea			-
Surface defects	EN 438-2	Minor surface defects as defined in the EN 438 series are permitted.			-
Static indentation	EN ISO 24343-1	residual indentation ≤ 0,05 mm			mm
Lightfastness	sample part ≥ 4 of grey scale according to EN 20105— A02 EN ISO 4892-2:200 6/A2:2009 procedure B – cycle 5 (50 % rel. hum.) a b	Colour contrast between unexposed and exposed sample part ≥ 4 of grey scale according to EN 20105— A02			-

a Test until blue wool scale No. 6 according to EN ISO 105-B02 (= colour contrast 4 on the grey scale according to EN 20105-A02 between exposed and unexposed part of blue wool scale).
b Allow sample (24 ± 1 h) recovery time without light exposure at 23 °C and 50 % rel. humidity before taking final assessment.