



TÜRKİYE'NİN  
500 BÜYÜK SANAYİ  
KURULUŞU  
2021



		<b>ÇAMSAN ENTEGRE LAMINATE FLOORING QUALITY SPECIFICATIONS</b>		
CHARACTERISTIC	STANDARD	8mm SİLVER - AC3 (EN STANDARD)	8mm KLASİK - AC4 (EN STANDARD)	UNIT
DENSITY	ÇAMSAN ENTEGRE	900 ± %3	920 ± %3	kg/m <sup>3</sup>
THICKNESS OF THE ELEMENT (t)	TS EN 13329+A2	$\Delta t_{average} \leq 0,50$ , $t_{max} - t_{min} \leq 0,50$	$\Delta t_{average} \leq 0,50$ , $t_{max} - t_{min} \leq 0,50$	mm
WIDTH OF THE SURFACE LAYER (W)		$\Delta W_{average} \leq 0,10$ , $\Delta l_{average} \leq 0,10$ , $W_{max} - W_{min} \leq 0,20$ , $L_{max} - L_{min} \leq 0,20$	$\Delta W_{average} \leq 0,10$ , $\Delta l_{average} \leq 0,10$ , $W_{max} - W_{min} \leq 0,20$ , $L_{max} - L_{min} \leq 0,20$	mm
LENGTH OF THE SURFACE LAYER (l)		$l \leq 1500 : \Delta l \leq 0,5$ mm, $l > 1500 : \Delta l \leq 0,3$ mm/m.	$l \leq 1500 : \Delta l \leq 0,5$ mm, $l > 1500 : \Delta l \leq 0,3$ mm/m.	mm
SQUARENESS OF THE ELEMENT (q)		$q_{max} \leq 0,20$	$q_{max} \leq 0,20$	mm
STRAIGHTNESS OF THE SURFACE LAYER (s)		$S_{max} \leq 0,30$	$S_{max} \leq 0,30$	mm / m
FLATNESS OF THE ELEMENT (f)		$f_{w, concave} \leq \% 0,15$ , $f_{w, convex} \leq \% 0,20$ , $f_{l, concave} \leq \% 0,50$ , $f_{l, convex} \leq \% 1,00$	$f_{w, concave} \leq \% 0,15$ , $f_{w, convex} \leq \% 0,20$ , $f_{l, concave} \leq \% 0,50$ , $f_{l, convex} \leq \% 1,00$	mm
OPENING BETWEEN ELEMENTS(O)		$O_{average} \leq 0,15$ , $O_{max} \leq 0,20$	$O_{average} \leq 0,15$ , $O_{max} \leq 0,20$	mm
HEIGHT DIFERENCE BETWEEN ELEMENTS		$h_{average} \leq 0,10$ , $h_{max} \leq 0,15$	$h_{average} \leq 0,10$ , $h_{max} \leq 0,15$	mm
SURFACE SOUNDNESS		TS EN 13329 / TS EN 311	AC3 ≥ 1,00	AC4 ≥ 1,25
THICKNESS SWELLING	TS EN 13329	≤ %18	≤ %18	%
HUMIDITY	TS EN 322	%4 ≤ H ≤ %10 $H_{max} - H_{min} \leq \%3$	%4 ≤ H ≤ %10 $H_{max} - H_{min} \leq \%3$	%
FREE FORMALDEHYDE AMOUNT	TS EN 12460-3	E0: ≤ 1,75 E1: 1,75 < x ≤ 3,50	E0: ≤ 1,75 E1: 1,75 < x ≤ 3,50	mg / m <sup>2</sup> . h
DIMENSIONAL VARIATIONS AFTER CHANGES IN RELATIVE HUMIDITY	TS EN 13329 / TS EN 318	$\delta l_{average} \leq 0,9$ , $\delta W_{average} \leq 0,9$	$\delta l_{average} \leq 0,9$ , $\delta W_{average} \leq 0,9$	mm
ABRASION RESISTANCE	TS EN 13329	AC3; ≥ 2000	AC4; ≥ 4000	Rev
SMALL-DIAMETER BALL IMPACT RESISTANCE	TS EN 17368	≥ 10 mm	≥ 35 mm	N, mm
LARGE-DIAMETER BALL IMPACT RESISTANCE	TS EN 13329 / TS EN 438-2	≥ 500 mm	≥ 750 mm	
RESISTANCE TO STAINING	TS EN 438-2	5 (group 1 ve group 2), 4 (group 3)	5 (group 1 ve group 2), 4 (group 3)	Class
EFFECT OF A CASTOR CHAIR	TS EN 425	25.000 cycles - no damage	25.000 cycles - no damage	View
EFFECT OF A FURNITURE LEG	TS EN 424	No damage shall be visible	No damage shall be visible	View
APPERANCE, SURFACE DEFECTS	TS EN 438-2	Minor surface defects as defined in the EN 438 series are permitted.	Minor surface defects as defined in the EN 438 series are permitted.	View
STATIC INDENTATION	TS EN ISO 24343-1	≤ 0,05	≤ 0,05	mm
LIGHT FASTNESS	TS EN 20105	Not worse than 4	Not worse than 4	Class
LOCKING RESISTANCE	ISO 24334	-	Fl ≥ 1 kN/m Fs ≥ 2 kN/m	N / mm <sup>2</sup>

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