



TÜRKİYE'NİN
500 BÜYÜK SANAYİ
KURULUŞU
2021



		ÇAMSAN ENTEGRE LAMINATE FLOORING QUALITY SPECIFICATIONS				
CHARACTERISTIC	STANDARD	8mm MODERN - AC4 (EN STANDARD)	8mm LEGEND - AC5 (EN STANDARD)	12mm SERENZA - AC5 (EN STANDARD)	UNIT	
DENSITY	ÇAMSAN ENTEGRE	920 ± %3	920 ± %3	920 ± %3	kg/m ³	
THICKNESS SWELLING		≤ %18	≤ %15	≤ %15	%	
WIDTH OF THE SURFACE LAYER (W)	TS EN 13329+A2	$\Delta W_{average} \leq 0,10$ $\Delta l_{average} \leq 0,10$, $W_{max} - W_{min} \leq 0,20$ $L_{max} - L_{min} \leq 0,20$	$\Delta W_{average} \leq 0,10$ $\Delta l_{average} \leq 0,10$, $W_{max} - W_{min} \leq 0,20$ $L_{max} - L_{min} \leq 0,20$	$\Delta W_{average} \leq 0,10$ $\Delta l_{average} \leq 0,10$, $W_{max} - W_{min} \leq 0,20$ $L_{max} - L_{min} \leq 0,20$	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.	$l \leq 1500 : \Delta l \leq 0,5$ mm, $l > 1500 : \Delta l \leq 0,3$ mm/m.	mm	
SQUARENESS OF THE ELEMENT (q)		$q_{max} \leq 0,20$	$q_{max} \leq 0,20$	$q_{max} \leq 0,20$	mm	
STRAIGHTNESS OF THE SURFACE LAYER (s)		$S_{max} \leq 0,30$	$S_{max} \leq 0,30$	$S_{max} \leq 0,30$	mm / m	
FLATNESS OF THE ELEMENT (f)		$f_{w, concave} \leq \% 0,15$, $f_{w, convex} \leq \% 0,20$, $f_{l, concave} \leq \% 0,50$, $f_{l, convex} \leq \% 1,00$	$f_{w, concave} \leq \% 0,15$, $f_{w, convex} \leq \% 0,20$, $f_{l, concave} \leq \% 0,50$, $f_{l, convex} \leq \% 1,00$	$f_{w, concave} \leq \% 0,15$, $f_{w, convex} \leq \% 0,20$, $f_{l, concave} \leq \% 0,50$, $f_{l, convex} \leq \% 1,00$	mm	
OPENING BETWEEN ELEMENTS(O)		$O_{average} \leq 0,15$, $O_{max} \leq 0,20$	$O_{average} \leq 0,15$, $O_{max} \leq 0,20$	$O_{average} \leq 0,15$, $O_{max} \leq 0,20$	mm	
HEIGHT DIFFERENCE BETWEEN ELEMENTS		$h_{average} \leq 0,10$, $h_{max} \leq 0,15$	$h_{average} \leq 0,10$, $h_{max} \leq 0,15$	$h_{average} \leq 0,10$, $h_{max} \leq 0,15$	mm	
SURFACE SOUNDNESS		TS EN 13329 / TS EN 311	AC4 ≥ 1,25	AC5 ≥ 1,25	AC5 ≥ 1,25	N / mm ²
HUMIDITY		TS EN 322	%4 ≤ H ≤ %10 $H_{max} - H_{min} \leq \%3$	%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	E0: ≤ 1,75 E1: 1,75 < x ≤ 3,50	mg / m ² . h
DIMENSIONAL VARIATIONS AFTER CHANGES IN RELATIVE HUMIDITY	TS EN 13329 / TS EN 318	$\delta l_{average} \leq 0,9$, $\delta W_{average} \leq 0,9$	$\delta l_{average} \leq 0,9$, $\delta W_{average} \leq 0,9$	$\delta l_{average} \leq 0,9$, $\delta W_{average} \leq 0,9$	mm	
ABRASION RESISTANCE	TS EN 13329	AC4; ≥ 4000	AC5; ≥ 6000	AC5; ≥ 6000	Rev	
SMALL-DIAMETER BALL IMPACT RESISTANCE	TS EN 17368	≥ 35 mm	≥ 70 mm	≥ 70 mm	N, mm	
LARGE-DIAMETER BALL IMPACT RESISTANCE	TS EN 13329 / TS EN 438-2	≥ 750 mm	≥ 1000 mm	≥ 1000 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)	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	25.000 cycles - no damage	View	
EFFECT OF A FURNITURE LEG	TS EN 424	No damage shall be visible	No damage shall be visible	No damage shall be visible	View	
APPEARANCE, 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.	Minor surface defects as defined in the EN 438 series are permitted.	View	
STATIC INDENTATION	TS EN ISO 24343-1	≤ 0,05	≤ 0,05	≤ 0,05	mm	
LIGHT FASTNESS	TS EN 20105	Not worse than 4	Not worse than 4	Not worse than 4	Class	
LOCKING RESISTANCE	ISO 24334	-	Fl ≥ 1 kN/m Fs ≥ 2 kN/m	Fl ≥ 1 kN/m Fs ≥ 2 kN/m	N / mm ²	

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