



TÜRKİYE'NİN
SÜP. BÜYÜK SANAYİ
KURULUŞU
2021



		ÇAMSAN ENTEGRE LAMINATE FLOORING QUALITY SPECIFICATIONS			
CHARACTERISTIC	STANDARD	8mm MODERN - AC4 V GROOVE (EN STANDARD)	8mm MODERN LONG - AC4 V GROOVE (EN STANDARD)	UNIT	
PANEL DIMENSIONS	ÇAMSAN ENTEGRE	192,5x1200	192,5x1380	mm	
DENSITY		920 ± %3	920 ± %3	kg/m ³	
THICKNESS SWELLING	TS EN 13329+A2	≤ %18	≤ %18	%	
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)		$l \leq 1500 : \Delta l \leq 0,5 \text{ mm,}$ $l > 1500 : \Delta l \leq 0,3 \text{ mm/m.}$	$l \leq 1500 : \Delta l \leq 0,5 \text{ mm,}$ $l > 1500 : \Delta l \leq 0,3 \text{ mm/m.}$	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 DIFFERENCE 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	≥ 1,25	≥ 1,25	N / mm ²
HUMIDITY		TS EN 322	%4 ≤ H ≤ %10 $H_{max} - H_{min} \leq \%3$	%4 ≤ H ≤ %10 $H_{max} - H_{min} \leq \%3$	%
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 ² . h	
DIMENSIONAL VARIATIONS AFTER CHANGES IN RELATIVE HUMIDITY	TS EN 13329 / TS EN 318	$\delta l_{average} \leq 0,9,$ $\delta W_{average} \leq 0,9$	$\delta l_{average} \leq 0,9,$ $\delta W_{average} \leq 0,9$	mm	
ABRASION RESISTANCE	TS EN 13329	≥ 4000	≥ 4000	Rev	
SMALL-DIAMETER BALL IMPACT RESISTANCE	TS EN 17368	≥ 35 mm	≥ 35 mm	N, mm	
LARGE-DIAMETER BALL IMPACT RESISTANCE	TS EN 13329 / TS EN 438-2	≥ 750 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	
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.	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	FI ≥ 1 kN/m Fs ≥ 2 kN/m	FI ≥ 1 kN/m Fs ≥ 2 kN/m	N / mm ²	

GENEL MÜDÜRLÜK / HEAD OFFICE

Büyükdere Cad. Eski Oto Sanayi
Emektar Sok. No:4 K:2 4. Levent
Kağıthane/ İstanbul / TÜRKİYE
Tel : +90 212 284 62 43
Faks : +90 212 284 62 45

FABRİKA / FACTORY

Sakarya İl. Organize San. Bölgesi
Hendek / Sakarya / TÜRKİYE
Tel : +90 264 654 58 18
Faks : +90 264 654 58 16

www.camsan.com

www.parkelam.com

V.D. Yenikapı
V.D. NO: 228 005 3797
Mersis No: 0228005379700014

F-İSKY-02/13