

**FLOORLABS LAMINATE FLOORING QUALITY SPECIFICATIONS**

CHARACTERISTIC	METHOD	FLOORLABS CLASSIC 8mm - AC3 (EN STANDARD)	FLOORLABS SUPER 8mm - AC3 (EN STANDARD)	FLOORLABS ELITE 8mm - AC4 (EN STANDARD)	FLOORLABS BEYOND 10mm - AC4 (EN STANDARD)	FLOORLABS DREAM 10mm - AC4 (EN STANDARD)	FLOORLABS SELECT 12mm - AC5 (EN STANDARD)	UNIT	
SURFACE SOUNDNESS	TS EN 13329 / TS EN 311	AC3 ≥ 1,00	AC3 ≥ 1,00	AC4 ≥ 1,25	AC4 ≥ 1,25	AC4 ≥ 1,25	AC5 ≥ 1,25	N / mm <sup>2</sup>	
ABRASION RESISTANCE	TS EN 13329	AC3; ≥ 2000	AC3; ≥ 2000	AC4; ≥ 4000	AC4; ≥ 4000	AC4; ≥ 4000	AC5; ≥ 6000	Rev	
SMALL-DIAMETER BALL IMPACT RESISTANCE	TS EN 13329 / TS EN 438-2	≥ 8 N			≥ 12 N			≥ 15 N	
LARGE-DIAMETER BALL IMPACT RESISTANCE	TS EN 13329 / TS EN 438-2								≥ 500 mm
LOCKING RESISTANCE	ISO 24334	-			FI ≥ 1 kN/m Fs ≥ 2 kN/m			N / mm <sup>2</sup>	
THICKNESS SWELLING	TS EN 13329	≤ %18					≤ %15		%
THICKNESS OF THE ELEMENT (t)	TS EN 13329+A1	Δt <sub>average</sub> ≤ 0,50 , t <sub>max</sub> - t <sub>min</sub> ≤ 0,50							mm
WIDTH OF THE SURFACE LAYER (W)		ΔW <sub>average</sub> ≤ 0,10 Δl <sub>average</sub> ≤ 0,10 , W <sub>max</sub> - W <sub>min</sub> ≤ 0,20 L <sub>max</sub> - L <sub>min</sub> ≤ 0,20							mm
LENGTH OF THE SURFACE LAYER (l)		l ≤ 1500 : Δl ≤ 0,5 mm, l > 1500 : Δl ≤ 0,3 mm/m.							mm
SQUARENESS OF THE ELEMENT (q)		q <sub>max</sub> ≤ 0,20							mm
STRAIGHTNESS OF THE SURFACE LAYER (s)		S <sub>max</sub> ≤ 0,30							mm / m
FLATNESS OF THE ELEMENT (f)		f <sub>w, concave</sub> ≤ % 0,15, f <sub>e, concave</sub> ≤ % 0,20 f <sub>i, concave</sub> ≤ % 0,50, f <sub>i, convex</sub> ≤ % 1,00							mm
OPENING BETWEEN ELEMENTS(O)		O <sub>average</sub> ≤ 0,15 , O <sub>max</sub> ≤ 0,20							mm
HEIGHT DIFFERENCE BETWEEN ELEMENTS		h <sub>average</sub> ≤ 0,10 , h <sub>max</sub> ≤ 0,15							mm
HUMIDITY	TS EN 322	%4 ≤ H ≤ %10 H <sub>max</sub> - H <sub>min</sub> ≤ %3							%
FREE FORMALDEHYDE AMOUNT	TS EN 12460-3	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	δl <sub>average</sub> ≤ 0,9 , δW <sub>average</sub> ≤ 0,9							mm
RESISTANCE TO STAINING	TS EN 438-2	5 (group 1 ve group 2), 4 (group 3)							Class
EFFECT OF A CASTOR CHAIR	TS EN 425	25.000 cycles - no damage							-
EFFECT OF A FURNITURE LEG	TS EN 424	No damage shall be visible							-
APPERANCE, SURFACE DEFECTS	TS EN 438-2	Dirtiness : ≤ 1,00 mm <sup>2</sup> / m <sup>2</sup> Fiber partical ;Scratches ≤ 10 mm / m <sup>2</sup> If two kind of defects appear on the same board, the limit values decrease to half.							-
STATIC INDENTATION	TS EN ISO 24343-1	≤ 0,05							mm
LIGHT FASTNESS	TS EN 20105	Not worse than 4							-