

UV LAKE PANEL TECHNICAL DATA SHEET

UV LAKE	Test Method	Unit	Supergloss		Mat	
			8 mm	18 mm	8 mm	18 mm
Density	EN 323	kg / m³	≥ 800	≥ 700	≥ 800	≥ 700
Internal Bond	EN 319	N / mm²	≥ 0,65	≥ 0,55	≥ 0,65	≥ 0,55
Bending Strenght	EN 310	N / mm²	≥ 23	≥ 20	≥ 23	≥ 20
Modulus of elasticity	EN 310	N / mm²	≥ 2700	≥ 2200	≥ 2700	≥ 2200
Thickness swelling 24h	EN 317	%	≤ 17	≤ 12	≤ 17	≤ 12
Moisture content	EN 310	%	4 - 11		4 - 11	
Thickness	EN 14323	mm	+0,5 / -0,3		+0,5 / -0,3	
Wight	EN 14323	mm	± 5,0		± 5,0	
Lenght	EN 14323	mm	± 5,0		± 5,0	
Tolerances on thickness	EN 14323	mm	t max - t min ≤ 0,6		t max - t min ≤ 0,6	
Edge straightness tolerance	EN 14323	mm / m	-	over 15mm thickness ≤ 2 (only balanced surfaces)	-	over 15mm thickness ≤ 2 (only balanced surfaces)
Cross-Cut Test	EN ISO 2409	grade	1		1	
Mirror Effect	TSEK 479	grade	min. 6		-	
Scratch resistance	EN 14323	N	≥ 1,5		≥ 3,0	
Scratch resistance	EN 15186 A	N	10 ±2		14 ±2	
Impact Resistance (small diamater ball)	EN 438-2	N	≥ 20		≥ 15	
Crack resistance	EN 14323	grade	5		5	
Stain resistance	EN 14323	grade	≥ 4		≥ 4	
Dry Heat resistance (100°C)	EN 12722	grade	≥ 4		≥ 4	
Wet Heat resistance (85°C)	EN 12721	grade	≥ 4		≥ 4	
Brightness (60C°)	EN 14323	gloss	≥ 85		≤ 4	
Light fastness	EN 15187	scale	Blue scale: >6 Grey scale: 5		Blue scale: >6 Grey scale: 5	
Formaldehyde content	EN ISO 12460-3	mg/m³h	'E1 ≤ 3,5		'E1 ≤ 3,5	
Edge damage	EN 14323	mm	≤ 15		≤ 15	
Surface defects	EN 14323	mm² / m²	point ≤ 2		point ≤ 2	
		mm / m²	lenght ≤ 20		lenght ≤ 20	
Evaluation of Surface Defects	* Surface defects are admissible if bigger than 1 mm². Anything smaller not considered to be a defect. * Surface visual examination is done under while fluorescent lamp at 70 cm distance max. 20 second time. Board is at working position. * %70 of panels to be flawless for the rest %30 panels, above table conditions are valid. * Surface defects may be visible in an area (trim area) of 1 cm from the edges					