

TECHNICAL DATA SHEET

APL / TDS / 008 / Rev. 01

Date 11.07.2021

LITE PANEL

CORE TYPE	PE
PAINT QUALITY	POLYESTER
PANEL THICKNESS	3mm
SIZE	1220 X 2440mm
ALUMINUM ALLOY A-1100 THICKNESS	0.10mm

PHYSICAL AND MECHANICAL PROPERTIES

	TEST STANDARD	TOLERANCE
Thickness	...	(±) 0.2 mm
Width	...	(±) 0.2 mm
Length	...	(±) 0.2 mm
Weight	...	3.770 Kg/m ²
Peel Off Test	ASTM D 1781	≥ 10kg/25mm

COATING PERFORMANCE

	TEST STANDARD	TOLERANCE
Color Difference Test	ASTM D 2244	$\Delta E \leq 2.0$ (reference to master sample)
Dry Film Thickness (DFT) Test	ASTM D 7091	2-Coat: 25 ± 3 μm
Specular Gloss @60	ASTM D 523- 89	±5% (reference to master sample)
Pencil Hardness Test	ASTM D 3363	HB- 4H
Film Adhesion Test by Scratch Resistance	AAMA 2605, ASTM D 3359-09e2	No removal of paint
Film Adhesion Test by Boiling Water	AAMA 2605	No removal of paint
Solvent Resistance Test (MEK Test)	ASTM D 4752	No removal of paint @ 150 DBR
Coating Flexibility T - Bend Test	ASTM D 4145	2T without cracks
Impact Resistance Test 50 kg-cm	ASTM D 2794	No crack and paint peel-off

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