

Technical Specifications for OpuLux Supermatt Acrylic Panels

Specifications for Panel - Core Material

Num	Attributes	Units	MDF	HDHMR	Birch Ply
1	Mean Thickness (HG - Solids)	mm	17.90	18.15	17.4
2	Mean Thickness (HG - Metallics)	mm	18.00	18.25	17.5
3	Thickness Variation	mm	±0.5	±0.5	±0.5
4	Bending/Warping	mm/meter	2.5	2.5	2.5
5	Mean Length	mm	2440	2440	2440
6	Length Variation	mm	±5.0	±5.0	±5.0
7	Mean Width	mm	1220	1220	1220
8	Width Variation	mm	±5.0	±5.0	±5.0
9	Density of core material	kg/m ³	600 - 800	700 - 900	550 - 700
10	Density Variation of core material		±10%	±10%	±10%
11	Emission		E2	E2	E1
12	Core Water Resistance/Proof		No	Yes	Yes

Specifications for Panel - Surface Material

Num	Attributes	Units	Values
1	Gloss Level	DIN 67530	<8%
2	Scratch Resistance	DIN 68861/T4	>2 N
3	Resistance to Steel Wool	Load: 1kg, strokes: 20, steel wool type: 00	Class 1. No changes or scratches visible
4	Color Fastness	Total color difference after 200h Xenon Test	DE <1.7
5	Dents/Dimples		Small dents/dimples – 2 per square meter of the finished board on front or back
6	Surface Clarity	High Gloss Surface at 90 degrees, 700 mm from eye and for 20 seconds	Some waves are permissible on birch and other ply based core
7	Peeling		Maximum of 10 mm deep along the edges is permissible

Note:

- 1 The values for respective attributes are listed based on the data received from the suppliers for the respective material
- 2 Specifications and materials of the products are subject to change without notice
- 3 Our liability is limited to our product only