

Technical Specifications for OpuLux High Gloss Acrylic Panels

Specifications for Panel - Core Material

Num	Attributes	Units	MDF	HDHMR	Birch Ply
1	Mean Thickness (HG - Solids)	mm	18	18.25	17.5
2	Mean Thickness (HG - Metallics)	mm	18.1	18.35	17.6
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	Water Resistance/Proof		No	Yes	Yes

Specifications for Panel - Surface Material

Num	Attributes	Units	Values
1	Gloss Level	DIN 67 530 (60 Degrees), GLE	>90%
2	Scratch Resistance	IHD-W-466, Method A	1.1 N
3	Abrasion Resistance	Load: 1kg, Strokes: 20, Steel Wool Type: 00	Class 1, No changes or visible scratches
4	Color Fastness	EN ISO 4892-2	DE <1.7
5	Surface Protection		A protective PE film
6	Dents/Dimples		Small dents/dimples – 2 per square meter of the finished board on front or back
7	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
8	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