

PRELAM BOARDS - Technical Datasheet

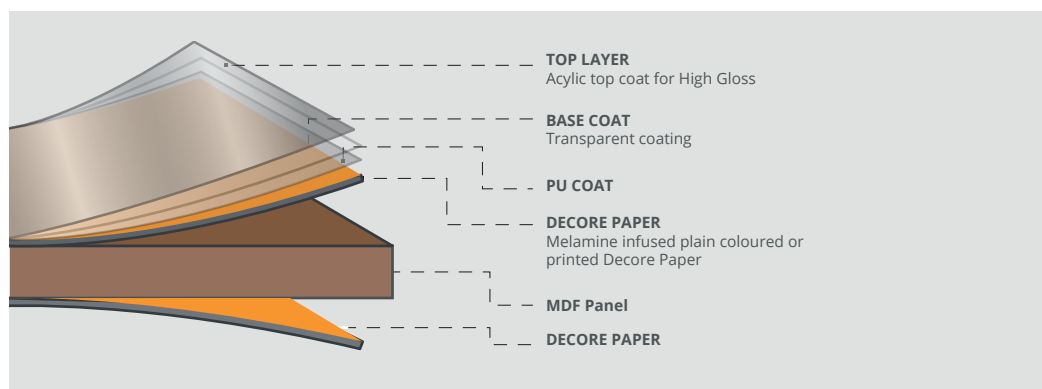
High GLOSS MDF E1

High Gloss Prelam Boards unique style, based on simplified shapes- is combined with an innovative State-of-the-art Lacquer Coating System with cutting edge German technology. This technology makes MDF high gloss boards suitable not only for modern homes, but also for commercial projects and heavy traffic areas with strong identity. Results in high abrasion resistance and durability to the prelam board surface. This technology helps in imparting mirror like appearance on the surface, not possible with conventional laminate system.

APPLICATIONS:

- Furniture
- Tables
- Lecterns
- Claddings & Worktops for Medical Sector
- Industrial Labs
- PhotoLabs
- Schools
- Universities
- Research Centres
- Industrial Kitchens

FEATURES:



PRODUCT TECHNICAL SHEET

Sr. No.	PROPERTIES	TEST METHOD	STYLAM TYPICAL VALUES
1	GENERAL PROPERTIES		
1.1	Dimension Tolerance	EN 324-1/EN 622-1	+/- 2 mm
1.2	Thickness Tolerance	EN 324-1/EN 622-1	+/- 0.3 mm
1.3	Bow Tolerance	EN 438-4	2 mm/mtr ^a

STYLAM PRELAM BOARDS - GLOSS PRO+

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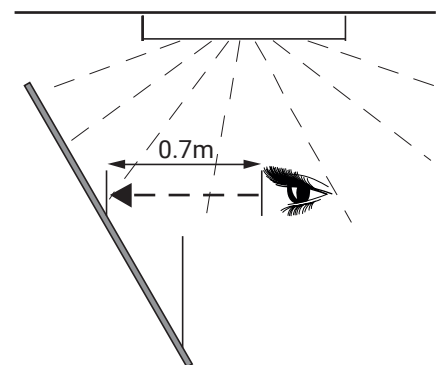
Sr. No.	PROPERTIES	TEST METHOD	STYLAM TYPICAL VALUES
2	PHYSICAL PROPERTIES		
2.1	Gloss Level	DIN 67530	> 90 GU @ 60°
2.2	DOI Value	RHO Point meter	≥ 90
2.3	RIQ Value	RHO Point meter	≥ 85
2.4	Haze Value	Haze meter	≤ 2.5
2.5	Scratch Resistance (Pencil Hardness)	ASTM D 3363	> 2 H ^b
2.6	Micro Scratch Resistance (Martindale)	EN 438-2 2016 Clause-30	Loss of gloss @60° < 10%
2.7	Abrasion Resistance	DIN 68861 T2	> 400 rev.
2.8	Adhesion (Cross Cut)	IHD-W-464	Gk1
2.9	Adhesion (Adhesive Tape)	IHD-W-463	0 (16h, 7d and 21d)
2.10	Light Fastness	EN 14243 Blue scale	6
2.11	Resistance to Steam	EN 14323	4
2.12	Cold Check	Cold Check Test	No Damage (40 cycles)
2.13	Density	EN 323	725 - 800 kg/m ³
2.14	Formaldehyde Content	EN 622-1	Class E1/CARB ^c
2.15	Anti-Bacteria Property	JIS Z 2801: 2010	Antimicrobial value of evaluation, R ≥ 2.0 ^d

- a tested on flat balanced surface
b with ≥ 90 % continuous and clearly visible double circles as scratch marks in N
c E1 or Carb emission panels available on request
d tested on Staphylococcus aureus, E.coli and Pseudomonas aeruginosa bacteria

Defects shall not be visible at a distance of 0.7 metres on a flat surface. Small imperfections and surface abnormalities are acceptable when perfect surfaces cannot be achieved. Only flaws larger than 1.0 mm² on the surface that can be seen at a distance of 0.7 metres and an angle of view of roughly 30 degrees are considered surface flaws. The specified upper limit is 1 defect/m².

The following framework conditions apply:

- Viewing distance: 700 mm
- Lighting intensity: 1000 – 2000 lx
- Inclination angle: 30° to the vertical
- Type of light (daylight, color temperature) D 65: 6500 K
- Viewing duration: max. 20 seconds



Disclaimer :

This Product Technical Sheet gives technical information relevant to the performance of product as tested by STYLAM and External certified testing agencies. STYLAM reserves the right to change product composition and characteristics at any time.