

Panel Thickness		2mm	3mm	4mm	6mm
DIMENSIONS					
Aluminium thickness	mm	0.30			
Panel Weight	[Kg/m ²]	2,92	3,84	4,76	6,6
Standard width	mm	1250, 1500, 2000 mm (White only)			
Standard length	mm	2050, 2500, 3050, 4050			
Non Standard Dimensions (on Inquiry)		Length: 2000- 8000			
PANEL TOLERANCES					
Thickness	mm	±0.2			
Width	mm	-0.0 / + 2			
Length	mm	≤ 4000 mm : -0.0 / +4 > 4001 mm: -0.0 / +6			
Diagonal (max)		3mm			
TECHNICAL PROPERTIES					
Moment of Inertia	I [cm ⁴ /m]	0.049	0.123	0.231	0.548
Section Modulus	W [cm ³ /m]	0.51	0.81	1.10	1.71
Rigidity	EJ [kNm ² /m]	345	865	1620	3840
Alloy/Temper of Aluminium cover sheet		EN AW- 3105 /H44			
Modulus of Elasticity	E [N/mm ²]	70.000			
Tensile strength of Al. cover sheets	Rm [N/mm ²]	150-200			
0.2% Proof stress	Rp0.2 [N/mm ²]	120 min			
Elongation	A 50	A ₅₀ ≥ 4%			
SURFACE PREPARATION and PAINT CHARACTERISTICS					
Visible Surface Preparation:		<u>Pre-treatment of Aluminium :</u> 1 st Degreasing 2 nd Passivation (included Chromium VI)			
Visible Surface <u>Paint</u> Characteristics:		<u>Polyester /High durable polyester coating.</u> <u>Roller applied:</u> 22 ±3 microns			
•Total paint thickness					
TEMPERATURE BEHAVIOUR					
Operational temperature range		From -50° C to +80° C			
Thermal Expansion (Aluminium cover sheets)		2.4 mm per linear meter for Temperature difference of 100° C			
SURFACE BURNING CHARACTERISTICS					
COUNTRY:		Test According to	Classification		
France		NFP 92-501	Class M1		
UK		BS 476, Part6 BS 476, Part7	Index 0 Class 1 ▶ Class 0 (OPINION OF COMPLIANCE)		