

Technical Data Sheet

Panel Dimension

Panel thickness	2mm	3mm	4mm
Thickness of Aluminum Layers	0.30mm	0.30mm	0.30mm
Weight (kg/m ²)	3.02	4.10	5.17
Width	1220	1250	1500
Length	Variable length possible		

Dimension Tolerances

Thickness	±0.2mm
Width	±2mm
Length (between 2000 & 4050mm)	0/+4
Diagonal	±5
Aluminum Thickness	±0.02mm

Surface Properties

Lacquering	Coil Coating mod. Polyester
Paint Thickness(micron)	18-20
Gloss	different for different color
Pencil Hardness	> HB-F
Coating Flexibility	3T
Boiling Resistance	Boiling for 2 hours without change
Impact Strength(kg.cm)	50
Coating Adhesive	Grade 1
Acid Resistance	immerse surface in 2 % HC1 for 48 hours without change
Alkali Resistance	immerse surface in 2 % NaOH for 48 hours without change; changes will occur beyond those condition
Solvent Resistance	cleaned 80 times with Dimethylbezene without change

Core

Polyethylene, Density (g/cm ³)	0.98
Fire Resistance	EN 13501:B
3mm Aluminum Composite Panel	EN13501:B-s2-d0
4mm Aluminum Composite Panel	EN13501:B-s1-d0

Technical Properties

Alloy on Aluminum Layers	AA1100H18
Tensile Strength of Aluminum(N/mm ²)	Rm 140
Elongation (%)	A50≥1
Linear Thermal Expansion	1.14mm/m at 100°C temperature difference
Peel Strength 180 deg. (N/mm)	> 5
Range of Application (°C)	-50 to +80

*Minimum weight is indicated. Weight may vary every batch or different specification.

*Manufacturer reserves the right to change product specification without prior notice.