

Skybond

Panel Dimensions

Panel thickness	Unit	2 mm	3 mm	4mm
Thickness of Aluminium layers	mm	0.3	0.3	0.3
Weight (including the masking)	kg/m ²	3	4	5
Width	mm	1220	1250	1500
Length	mm	variable lengths possible		

Dimension Tolerances

Thickness	mm	± 0.2
Width	mm	± 2
Length (between 2000 and 4050 mm)	mm	0/+4
Diagonal	mm	± 5
Aluminium thickness	mm	± 0.02

Surface properties

Lacquering	Coil Coating mod. Polyester	
Paint thickness (micron)	18-20	
Gloss	different for different colors	
Pencil hardness	>HB	
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 these conditions.	
Solvent Resistance	Cleaned 80 times with Dimethylbenzene without change	

Core

Polyethylene, Density	g/cm ³	0.98
Fire resistant	EN 13501:B	
3mm Aluminium composite panel	EN 13501:B-s2-d0	
4mm Aluminium composite panel	EN 13501: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