

Property	Value			
Physical	3mm		4mm	
Panel thickness (mm)	3		4	
Aluminium thickness (mm)	0.2	0.3	0.2	0.3
Weight (kg/m ²)	5.1	5.4	6.6	6.9
Dimensional Tolerances (mm)				
Thickness	+/- 0.2			
Width	-0 +2.0			
Length	-0 +3.0			
Diagonal	-0 +5.0			
Thermal expansion	2.4mm/m @ 100 degrees temperature difference			
Aluminium thickness (mm)	Where applicable as specified in EN-485-4; otherwise ±0.02			
Sheet Flatness Tolerance	0 – ≤2mm across any measured point of the panel perimeter from a flat surface			
Surface properties				
Paint thickness (micron)	17 +/- 2			
Pencil hardness	>HB			
Toughness of coating	3T			
Face finish	Polyester paint finishes in gloss and matt (not valid for metallic finishes)			
Gloss level tolerance	±5%			
Temperature resistance	-50°C to +80°C			
Boiling water resistance	Boiling for 2 hours without change			
Acid resistance	Immerse surface in 2% HCl for 24 hours without change			
Alkali resistance	Immerse surface in 2% NaOH for 24 hours without change			
Oil resistance	Immerse surface in 20# engine oil for 24 hours without change			
Solvent resistance	Cleaned 100 times with Dimethylbenzene without change			
Cleaning resistance	>1000 times without change			
Peel strength	> 3			
Product properties				
Water absorption % by volume	0.01			
Thermal performance R values	0.0057			
Core composition	Fire resistant compound			
Core density (kg/m ³)	1.55 (± 0.03)			
Tensile strength of Aluminium (MPa)	148			
Reaction to fire classification	EN13501-1, Class B-s1, d0			
Guarantee	0.2mm skin = 2-year limited warranty & 0.30mm = 5-year limited warranty			