

SIGNax Bond Sheets

Product Data Information

Unit		2mm	2mm	3mm	4mm
ALUMINIUM					
Thickness of Aluminium	mm	<0.2mm	≥0.2mm	≥0.2mm	≥0.3mm
Aluminum thickness deviation	mm	±0.02	±0.02	±0.02	±0.02
SIZE TOLERANCE					
Tolerance in length	mm	+/- 3	+/- 3	+/- 3	+/- 3
Tolerance in width	mm	+/- 2	+/- 2	+/- 2	+/- 2
Tolerance in thickness	mm	± 0.2	± 0.2	± 0.2	± 0.2
Tolerance in diagonal	mm	± 3	± 3	± 3	± 3
TECHNICAL PROPER TIES					
Fire Grade		C	C	C	C
Bending strength	MPa	≥40	≥50	≥50	≥50
Nail-head Pull Through	kN	≥2	≥3	≥3	≥3
Shearing strength	MPa	≥8	≥12	≥12	≥12
Tensile Strength of Aluminium	Rm/MPa	≥140	≥145	≥145	≥145
0.2% Proof Stress	Rp0.2/MPa	>125	≥110	≥110	≥110
Elongation	A50mm%	≥1	≥3	≥3	≥3
Linear Thermal Expansion	m/m/°C	≤5.0*10-5	≤4.0*10-5	≤4.0*10-5	≤4.0*10-5
Thermal Expansion	mm/m/100°C	≤5.0	≤4.0	≤4.0	≤4.0
Heat distortion temperature	°C	≥75	≥85	≥85	≥85
Peel strength 180 °	N/mm	≥3.5 average value ≥3.0 minimum value	≥5.0 average value ≥4.0 minimum	≥5.0 average value ≥4.0 minimum	≥5.0 average value ≥4.0 minimum value
Temperature tolerance		No opening, no cracking, no falling off	No Change, reduction rate of stripping force≤ 10%	No Change, reduction rate of stripping force≤ 10%	No Change, reduction rate of stripping force≤10%
Boiling Water Resistance		No opening, no cracking, no falling off	No change	No change	No change
Bending radius	mm	Bending is not recommended	≥300	≥300	≥300
CORE					
Density	g/cm ³	1.18~1.24			
COATING					
Thickness of coating	µm	average≥16,min≥14	average≥16,min≥14	average≥16,min≥14	average≥16,min≥14
Surface		Coil Coating			
Color Variation Tolerance		ΔE≤1.0			
Gloss (initial value)	%	20% - 95%			
Pencil Hardness		HB-F			
GURANTEE(Indoor)	year	5 years			

(The product specification specifies the minimum guaranteed values for the offered type of material in rated quality).