

Bon Bond Technical data sheet

Physical properties:

	Results	Unit
Aluminum Skin Thickness	0.4	mm
Weight	5.3	Kg
Standard Length	3.2/3.5	M
Standard Width	1.22/1.25/105	M

Panel tolerances:

	Results	Unit
Panel Thickness	± 0.2	mm
Panel Width	-0.00+2.00	mm
Panel Length	-0.00 +4.00	mm
Diagonal Difference	Max 3	mm

Mechanical Characteristics of Aluminum Cover:

	Standers	Results	Unit
Tensile strength	ASTM E8	44	MPa
Yield strength	ASTM E8	38	MPa
Elongation	ASTM E8	0.14	-
Flexural Elasticity	ASTM C1352	40.1	GPa
Flexural Rigidity	ASTM D7748	138	N.M ²
Shear strength	ASTM E732	25	MPa

General Properties:

	Standers	Results	Unit
Thermal deformation temperature	ASTM D648	116	C°
Thermal conduction	ASTM 976	0.43	Kcal/M.HrC°
Adhesive strength	ASTM D903	145.96	KgF/mm
Color retention	ASTM C538	<3	ΔE
Gloss Difference	ASTM D5767	Gloss ≥70	≤ 3
Hardness	ASTM D3363	≥ 2H	
Coating Thickness	ASTM B659	μM	≥28
Sound insulation rate	ASTM E413	2 9	Db.
Fire Rated	ASTM E84	Qualified	B2/B1
Outdoor temperature resistance	ASTM D1654	No abnormality	-
Wind pressure resistance	ASTM E330	Qualified	-
Properties against water	ASTM E331	Qualified	-
Properties against air	ASTM E283	Qualified	-