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TECHNICAL DATA SHEET

buildbond'PE

24/02/2026

PANEL DIMENSIONAL CHARACTERISTICS

	VALUE	UNIT	NORM
Panel thickness	4	mm	EAD 090062-00-0404
Aluminium thickness	0.5	mm	
Panel weight	5.5	kg/m^2	
Standard panel widths*	1000/1250/1500/2000	mm	
Standard panel lengths (min - max.)*	2000 - 6000	mm	

PANEL DIMENSIONAL TOLERANCE

	VALUE	UNIT	NORM
Panel weight tolerance	± 5	%	
Panel thickness tolerance	± 0.2	mm	
Panel width tolerance	± 2	kg/m^2	
Panel length tolerance	+15	mm	
Panel diagonals tolerance	± 3	mm	

COATING CHARACTERISTICS

	VALUE	UNIT	NORM
PVDF 70/30 - Beckry®Tech external coating thickness**	20-30	µm	EN 13523
Interior coating thickness - Primer	10	µm	
Gloss (measured at 60° angle)	30	GU	EN 13523 - 2 / ISO 2813
Hardness (pencil hardness)	HB-F		EN 13523 - 4

PANEL CHARACTERISTICS

	VALUE	UNIT	NORM
Peeling	≥ 9.8	N/mm	ASTM D 903
Temperature utilization	- 40 /+ 80	°C	
Thermal expansion Δ100°C	2.215	mm/m	
Thermal transmission [U]	5.58	W/m^2K	EN 12524

CHARACTERISTICS OF THE LACQUERED ALUMINIUM SKIN

	VALUE	UNIT	NORM
Alloy***	5005 / 3105 /3005		EN 573-3
Elasticity module [E]	70000		
Proof stress (Rp 0.2)	≥ 80		EN 485 - 2
Tensile strength (Rm)	125 ≤ Rm ≤ 240		
Elongation (A50)	≥ 4		
Impact resistance	4 Julios / GT0		EN 13523 - 5/6
Chemical resistance	5% HCl without changes		ISO 2812 - METHOD 3
Densidity	2700	kg/m^3	

* Others consult.

** According to project or finish requirements. Does not affect final warranty coverage.

*** Mirror finishes: Alloy 1050.

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