



TECHNICAL DATA SHEET

buildbond'PE

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	
Standar panel width *others to consult	1000-1250-1500-2000	mm	
Standar panel length [min -max.] *others to consult	2000 - 6000	mm	

PANEL DIMENSIONAL TOLERANCE

	VALUE	UNIT	NORM
Weight tolerance	± 5	%	
Thickness tolerance	± 0.2	mm	
Width tolerance	± 2	mm	
Length tolerance	+15	mm	
Diagonals tolerance	± 3	mm	

COATING CHARACTERISTICS

	VALUE	UNIT	NORM
External coating thickness PVDF 70/30-HDPE*	25-40	µm	EN 13523
Thickness of interior coating Primer	5-10	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 ² K	EN 12524

CHARACTERISTICS OF THE LACQUERED ALUMINIUM SKIN

	VALUE	UNIT	NORM
Alloy ⁽¹⁾	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 / GTO		EN 13523 - 5/6
Chemical resistance	5% HCl sin cambios		ISO 2812 - MÉTODO 3
Density	2700	kg/m ³	

¹ Mirror finishes Alloy 1050



*According to the requirement of the work or colour - does not accept the final guarantee.