



# TECHNICAL SPECIFICATIONS

## STACBOND® PE

SHEET DIMENSIONS	WIDTHS (mm)	LENGTHS (mm)
Measurements for stock	1250 - 1500	4000 - 5000
Fabrication to measure (CONSULT)	1000 -1250 - 1500	(min. / max.) 2000 / 6000

Thickness Tolerance(mm) $\pm 0,2$	Width Tolerance (mm) $\pm 2$	Length Tolerance (mm) $+ 15$	Diagonal Tolerance (mm) $\pm 3$
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PHYSICAL SPECS	UNITS	MEASURE	CERTIFICATION
Aluminium thickness	mm	0,5	
Panel thickness	mm	4	
Weight of panel	kg/m <sup>2</sup>	5,5	
Aluminium alloy		3005 / 3105 / 5005	UNE EN 573-3

NUCLEUS SPECS PE	UNITS	MEASURE	CERTIFICATION
Density	gr/cm <sup>3</sup>	0,92	

TYPE OF PAINT	UNITS	MEASURE	CERTIFICATION
PvdF KINAR 500 (70/30)	$\mu_m$	20 - 40 $\mu_m$ *	
Shine	ANGLE OF MEASUREMENT 60°	30 +/- 5 *	EN 13523 - 2 ISO 2813
Hardness		Min F	EN 13523 - 4
Primer protection			YES

GENERAL CHARACTERISTICS	UNITS	MEASURE	CERTIFICATION
Peeling	N/mm	$\geq 9,8$	ASTM D903 - 98 (2004)
Adherence		No loss of adherence	EN - DIN - 53151
Elasticity modulus (E)	N/mm <sup>2</sup>	70000	EN 485 - 2
Elastic Limit (R <sub>p</sub> 0.2)	N/mm <sup>2</sup>	$\geq 80$	EN 485 - 2
Breaking Load (R <sub>m</sub> )	N/mm <sup>2</sup>	$125 \leq R_m \leq 240$	EN 485 - 2
Elongation (A)	%	$\geq 2$	EN 485 - 2
Resistance to Impact		4 Julios / GTØ	EN 13523 - 5/6
Chemical Resistance		5% HCL No changes	ISO 2812 - METHOD 3
Utilization Temperature	°C	- 40° / 80° <sup>a</sup>	
Thermal Expansion Coef. for Differences of 100° C	mm/m (100° <sup>a</sup> )	2,25	UNE-EN ISO 10545:1997
Thermal Transmission (U)	W/m <sup>2</sup> K	3,38	UNE-EN ISO 12567-1
Acoustic Insulation Rw (C;Ctr)	dB	26 [-1; -3]	ISO 140 - 3

\* Standard values, other values may be accepted if the finish requires it and does not affect product quality.