



# TECHNICAL SPECIFICATIONS

## TECHNICAL DATASHEET PE CORE



VER: 01/2022

### PANEL PHYSICAL SPECIFICATIONS

PANEL THICKNESS (mm)	PANEL WEIGHT(kg/m <sup>2</sup> )	
	Visible aluminium thickness of 0,2 (mm)	Visible aluminium thickness of 0,3 (mm)
2	2,57	2,92
3	3,50	3,85
4	4,43	4,79

### SHEET DIMENSIONS

	UNITS	VALUE
Width (min. / max.)	mm	1500/2000
Length (min. / max.)	mm	2000/6000**
Thickness tolerance	mm	-0.20 / +0.20
Width tolerance	mm	±2
Length tolerance	mm	-0 / +10
Squareness (diagonal tolerance)	mm	± 3
Protective film width tolerance	mm	0; -5

### TECHNICAL SPECIFICATIONS OF THE PANEL

	UNITS	VALUE	NORM
Cross peeling	N/mm	≥ 6,5	ASTM D903 - 98 (2004)
Lengthwise peeling	N/mm	≥ 4	ASTM D903 - 98 (2004)
Operating temperature	°C	- 40 / + 80	

### PE CORE SPECIFICATIONS

	UNITS	VALUE	NORM
Density	g/cm <sup>3</sup>	0,93 ± 0,10	

### ALUMINIUM TECHNICAL CHARACTERISTICS

	UNITS	VALUE	NORM
Alloy	-	3105	UNE EN 573-3
Elasticity module (E)	N/mm <sup>2</sup>	69.000	
Proof stress (R <sub>p0.2</sub> )	N/mm <sup>2</sup>	≥ 40	EN 485-2
Tensile strength (R <sub>m</sub> )	N/mm <sup>2</sup>	100 ≤ R <sub>m</sub> ≤ 200	
Elongation (A <sub>50</sub> )	%	≥ 1	
Density (ρ)	kg/m <sup>3</sup>	2,71	

### COATING TYPE

	UNITS	VALUE	NORM
PU (polyurethane), PE (polyester)	µm	22± 5	
Hardness(pencil hardness test)		F-H	EN 13523-4
Gloss (measured on a 60° angle)	%	30 ± 5 MATT	

\*\* Consult for other dimensions