

VER. 001/21

PE CORE | 0,5 mm - 4 mm

**SHEET DIMENSIONS****WIDTHS (mm)****LENGTHS (mm)**

Made to measure manufacture (CONSULT)	(min. / max.) 1000 / 2000	(min. / max.) 2000 / 6000
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Thickness tolerance (mm) $\pm 0,2$	Width tolerance (mm) $\pm 2$	Length tolerance (mm) + 15	Diagonals tolerance (mm) $\pm 3$
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Width Tolerance of the Protective Film on the panel (mm) +0; -5

**PHYSICAL SPECIFICATION**

## UNIT

## VALUE

## NORM

Painted aluminium thickness

mm

0,5

Panel thickness

mm

4

Panel weight

kg/m<sup>2</sup>

5,50

Aluminium alloy

5005 / 3105 / 3005

UNE EN 573-3

**PE CORE SPECIFICATION**

## UNIT

## VALUE

## NORM

Density

g/cm<sup>3</sup>

0,93

**GENERAL CHARACTERISTICS**

## UNIT

## VALUE

## NORM

Peeling

N/mm

 $\geq 9,8$ 

ASTM D903 - 98 (2004)

Adherence

There is no loss of adherence

EN - DIN - 53151

Elasticity module (E)

N/mm<sup>2</sup>

70000

Proof stress ( $R_{p0,2}$ )N/mm<sup>2</sup> $\geq 80$ 

EN 485 - 2

Tensile strength ( $R_m$ )N/mm<sup>2</sup> $125 \leq R_m \leq 240$ Elongation ( $A_{50}$ )

%

 $\geq 4$ 

Impact resistance

4 Joules / GT0

EN 13523 - 5/6

Chemical resistance

5% HCl unchanged

ISO 2812 - METHOD 3

Temperature utilization

°C

- 40 / +80

Thermal expansion for differences of 100° C

mm/m (100°)

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  $R_w$  (C;Ctr)

dB

28 (0; -3)

ISO 717 - 1

**COATING TYPE**

## UNIT

## VALUE

## NORM

External coating thickness (Primer + PvdF 70/30)

 $\mu\text{m}$  $30 \pm 5^*$ 

PvdF 70/30

 $\mu\text{m}$  $20 \pm 2^*$ 

Primer

 $\mu\text{m}$  $10 \pm 2^*$ 

EN 13523 - 1

Internal coating thickness (Primer)

 $\mu\text{m}$  $6 \pm 2^*$ 

Gloss (measured at 60° angle)

GU

 $30 \pm 5^*$ 

EN 13523 - 2 / ISO 2813

Hardness (pencil hardness test)

HB - F

EN 13523 - 4

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