Panel PIR CP-BL

DESCRIPTION

- Polyisocyanurate (PIR) rigid foam panels faced, both sides, with a multilayered aluminium complex.

APPLICATION

- Thermal insulation for roofing in mountain climate, less than 900m elevation.

ADVANTAGES

- Lower thickness insulation thanks to the low thermal conductivity coefficient of PIR foam and to the aluminium complex.
- High compressive strength.
- Practically no water absorption thanks to its structure of closed cell foam and to the aluminium paper.
- Light panels with great rigidity.
- Easy to manipulate and to put during installation.

PRESENTATION

- Panels :
  - 2410 x 1200mm groove and tongue profile on four edges (2400 x 1190 net)
- Thickness: 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 122, 125, 130, 140, 150, 151 and 160 mm.
- Possibility to incorporate a membrane with integrated adhesive strips that allows water and wind tightness facilitating the implementation on site.

PROPERTIES

	CLASS acc. EN 13165	STANDARD	UNIT	SPECIFIED VALUES
Initial thermal conductivity coefficient	$\lambda_{i,\ 7d\ 10°C}$	EN 12667	W/m·K	0,0200
Declared thermal conductivity coefficient	$\lambda_{D,\ 10°C}$	EN 12667	W/m·K	0,022
Compressive strength	CS(10/Y)200	EN 826	kPa	250 ± 50
Compressive strength (2% de deformation)	-	EN 826	kPa	150 ± 20
Dimensional stability 48h, 70°C, 90 %HR	DS(70,90)3	EN 1604	%	$\Delta\varepsilon_l$, $\Delta\varepsilon_b \leq 2$ $\Delta\varepsilon_d \leq 6$
Water absorption	WL(T)1	EN 12087	%	≤1
Thickness	T2	EN 823	mm	50 ≤ e ≤ 75 ±3 e >75 +5, -3
Reaction to fire of the product	-	EN 13501-1	-	E

THERMAL PROPERTIES

Thickness (mm)	60	65	70	75	80	85	90	95	100	105
Thermal resistance (m²·K/W)	2,75	3,00	3,25	3,45	3,70	3,95	4,15	4,40	4,65	4,85

Thickness (mm)	110	115	120	122	125	130	140	150	151	160
Thermal resistance (m²·K/W)	5,10	5,30	5,55	5,65	5,80	6,00	6,50	6,95	7,00	7,40

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