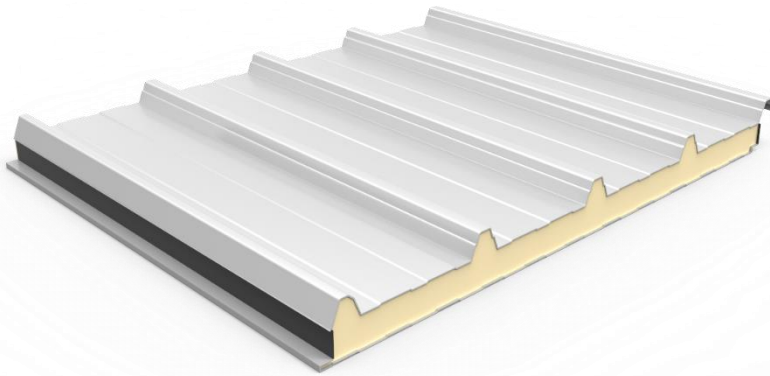


DESCRIPTION ET APPLICATIONS

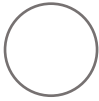

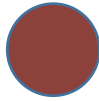

Roof panel with five frets that give it maximum mechanical resistance against external loads and forces. Its insulating core is manufactured in high density PUR and PIR foams, at 40 kg / m³, to ensure thermal insulation in all types of situations.

Its simple assembly represents great savings for the customer: the panel overlaps in the frets of two contiguous panels to ensure maximum tightness against leaks and humidity.

Special galvanized and pre-lacquered steels are used in its manufacture, which comply with the EN 508-1 standard, with PET, Plastisol, PVC, PVDF, PS50, PS55 and PS200 coatings, among others, according to customer requirements.



TECHNICAL DATA OF THE 5 FRETS SANDWICH PANEL

Outer Side	Inner Side	Thickness	Length
Pre-lacqued steel	Pre-lacqued steel	30 / 40 / 50 / 60	Up to 15,2 m
Most common colours			
 White Pyrenees RAL 9010	 Navarra Green RAL 6005	 Red Tile RAL 3009	 Silver Metallic RAL 9006

	Thickness (mm)			
	30	40	50	60
Length (mm)	Standard 2500 mm to 16000 mm			
Width (mm)	1000 mm			
Core density (kg/m ³)	40 kg/m ³ (+/- 2)			
Thermal conductivity (W/m ² k)	PUR 0,023 W/mK		PIR 0,022 W/ mK	
Weight (kg/m ²) per lineal meter Steel thickness 0,5 mm +/- 0,1 mm	11.9 (+/- 2)	12.3 (+/- 2)	12.7 (+/- 2)	12.9 (+/- 2)
Fire classification (PUR-UNE 13501-1)	Bs3,d0 / Cs3,d0			
Fire classification (PIR-UNE 13501-1)	Bs2,d0			

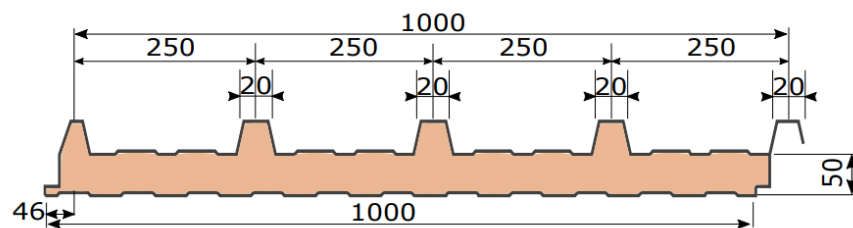
Deviation (mm)		
Length	L ≤ 3 m	± 5 mm
	L > 3 m	± 10 mm
Usable width	± 2 mm	
Thickness	D ≤ 100 mm	± 2 mm
	D > 100 m	± 2 %
Deviation from perpendicularity	6 mm	
De-linearization of the internal metallic parameters	± 3 mm	
Coupling of bottom plates	F = 0 +3 mm	

LOAD TABLE OF 5 FRETS SANDWICH PANEL

Thickness	Distance for two spans																
	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
30	303/315	235/247	191/203	161/173	138/150	121/133	108/120	97/108	88/100	79/91	67/80	57/71	49/64	42/58	37/53	32/48	28/44
40	330/355	256/280	210/231	175/196	150/170	132/151	117/136	105/123	95/113	87/105	78/98	67/91	58/86	50/81	44/77	39/74	34/70
50	357/369	277/289	225/237	189/201	162/175	142/154	126/138	113/126	103/115	93/106	86/99	77/92	67/87	59/82	52/77	46/74	40/70
60	384/379	298/295	238/239	199/208	172/179	152/158	135/140	121/129	110/118	99/107	94/100	87/93	59/88	67/83	58/77	52/74	45/70

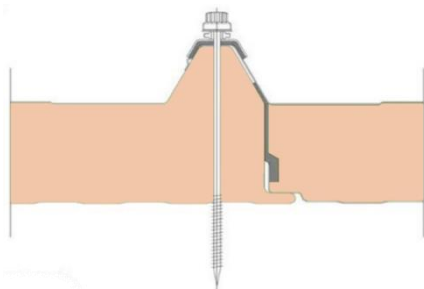
Thickness (mm)	Thermal transmission		Weight Kg/m ²
	Kcal/m ² h °C	W/m ² °C	
30	0,58	0,68	8,46
40	0,45	0,53	8,86
50	0,36	0,43	9,26
60	0,30	0,36	9,66

CROSS SECTION OF THE SANDWICH PANEL FIVE FRETS



When installing the 3 Frets Panel, we must ensure the correct overlap between two adjacent plates, so that the **EPDM joint** protects the encounter of possible condensation. The panel is fixed directly to the structure from the fret with the self-drilling screws provided that **incorporate cappellotti to ensure maximum tightness**. Although polyurethane is not a hydrophilic material, it is recommended to complete the installation with the appropriate finishes to close the core and **guarantee maximum protection for a long time**.

OVERLAP



INSTALLATION



PHOTOS

