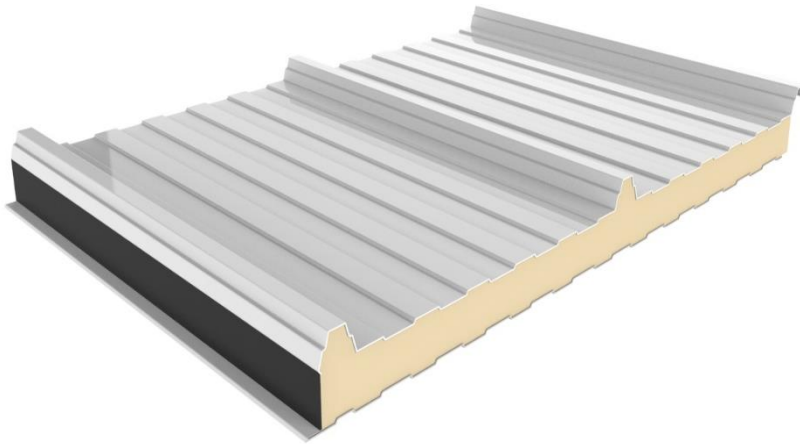


DESCRIPTION





Roof panel with three frets that give it greater 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.

In its manufacture, special galvanized and pre-lacquered steels are used, which comply with the **EN 508-1 standard**, with PET, Plastisol, PVC, PVDF, PS50, PS55 and PS200 coatings, among others, according to customer requirements. There are different types of insulating core according to customer requirements, "PUR", "PIR", with a density of 40Kg/m³.



TECHNICAL DATA OF THE SANDWICH PANEL THREE FRETS

Outer Side	Inner Side	Insulation	Thickness	Length	
Pre-lacqued steel	Pre-lacqued steel	Polyurethane (PUR) and Polyisocionurate (PIR)	30 / 40 / 50	Up to 16,2 m	
Most common colours					
	White Pyrenees RAL 9010		Navarra Green RAL 6005		Red Tile RAL 3009
	Silver Metallic RAL 9006				

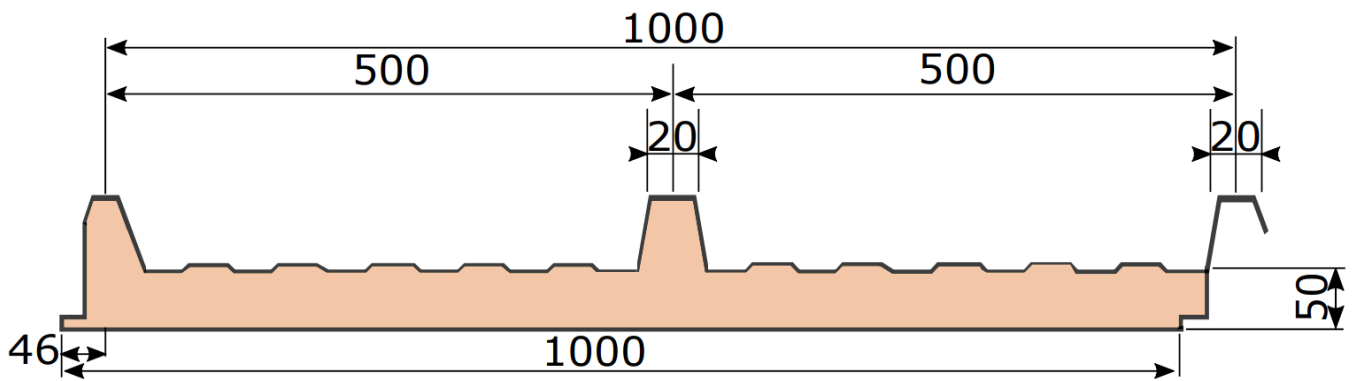
	Thickness (mm)			
	30	40	50	60
Length (mm)	Standard 2500 to 16000			
Width (mm)	1000			
Core density (kg/m ³)	40 (±2)			
Thermal conductivity (W/mK)	PUR 0,025 / PIR 0,022			
Coefficient of thermal transmission (W/m ² k)	0,68	0,53	0,43	0,36
Weight (kg/m ²)	9,88±2	10,26±2	10,65±2	11,05±2
Reaction to Fire (PUR-UNE 13501-1)	Bs3d0 / Cs3d0			
Reaction to Fire (PIR-UNE 13501-1)	Bs2d0			

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	

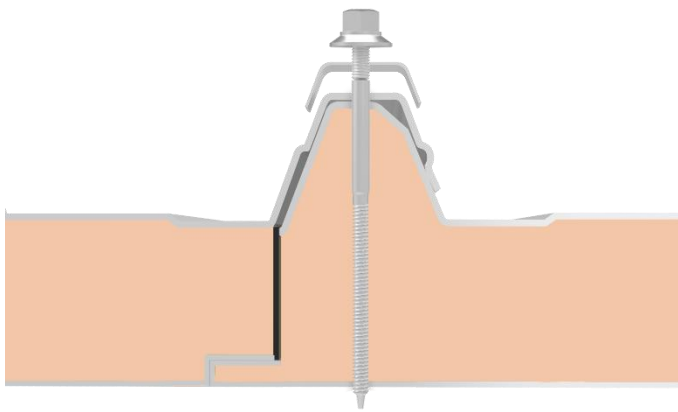
LOAD TABLE OF SANDWICH PANEL THREE FRETS

Thickness (mm)	2 Span															
	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4
30	231	188	157	135	118	105	93	85	78	70	65	60	54	47	41	36
40	253	205	172	147	129	115	101	93	85	78	71	65	61	57	51	45
50	275	223	186	160	139	123	112	102	92	84	77	72	66	62	58	55
60	340	310	280	250	225	200	180	160	150	140	120	110	100	93	87	80
Thickness (mm)	Thermal transmission		Weight													
	Kcal/m ² h °C	W/m ² °C	Kg/m ²													
30	0,58		9,88													
40	0,45		10,26													
50	0,36		10,65													
60	0,30		11,05													

CROSS SECTION OF THE SANDWICH PANEL THREE FRETS



OVERLAP

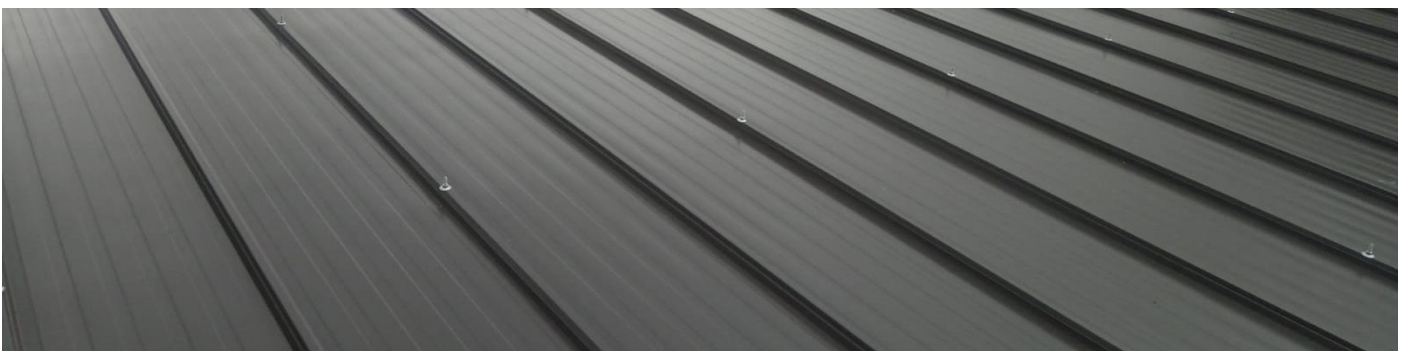


INSTALLATION



When installing the 3 Frets Panel, we must ensure the correct overlap between two adjacent plates 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**.

PHOTO



See our range of sandwich panels and accessories on our website <https://sandwich-panel.net>