

Sandwich Panel FTB PC 1000 roof panel

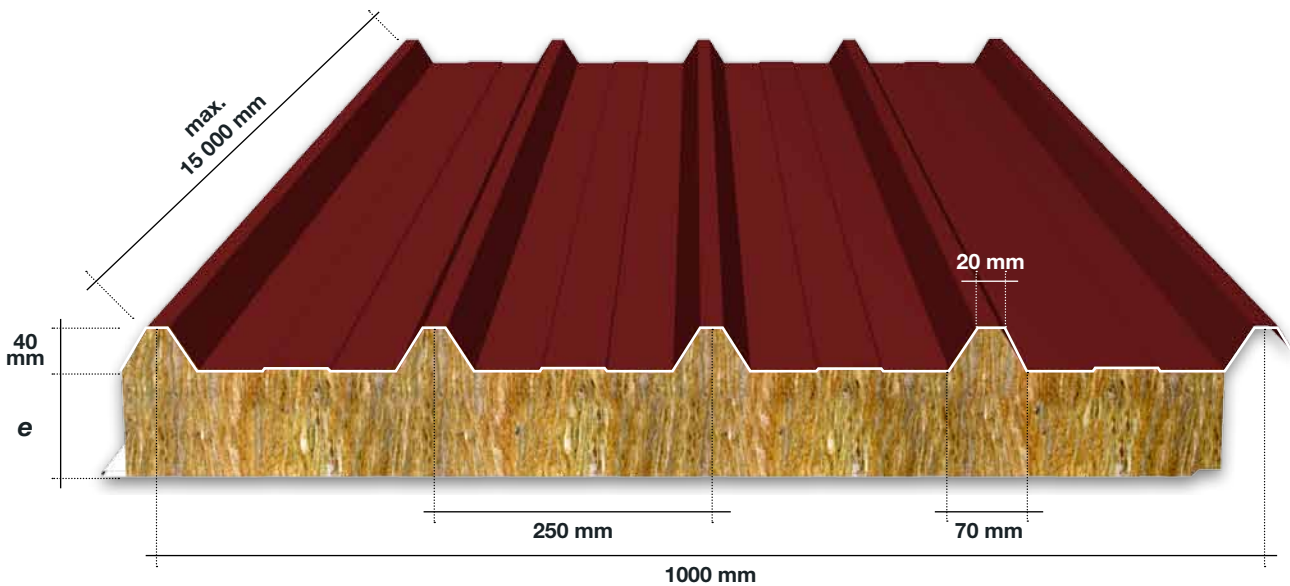


Description:

Roof Panel with Mineral Wool insulation core, brand **RECTERMI**, certified according with **EN 14509 Standard for "Self-supporting double skin metal faced sandwich panels"**.

Main Key Advantages:

- All-in-one element:
- Ecological;
 - Mechanical Resistance;
 - Thermal Insulation;
 - Sound Insulation;
 - Reaction to Fire and Fire-Resistant.



Panel components:

		STANDARD	UPON REQUEST	
Steel Quality		S220GD+Z	DX51D+Z, S250GD+Z to S350GD+Z	
Sheet Thickness	Top	0,5 mm	0,6 mm	0,7 mm
	Lower	0,4 mm to 0,5 mm	0,4 mm to 0,5 mm	0,4 mm to 0,5 mm
Metallic Support	Galvanized	140 to 180 gr/m ²	Up to 275 gr/m ²	
	Coating	Pre-lacquered Polyester (25 µm)	PVDF (25/35 µm)	HDX (55 µm)
Colours		Available at RAL list	Remaining	

		STANDARD	UPON REQUEST
Insulated Core	Mineral wool		
	Density	100 kg/m ³	Up to 150 kg/m ³
	Thermal Cond (λ)	0,042 W/m°C	

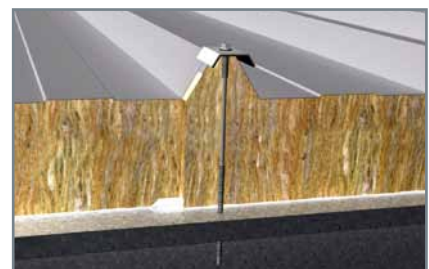
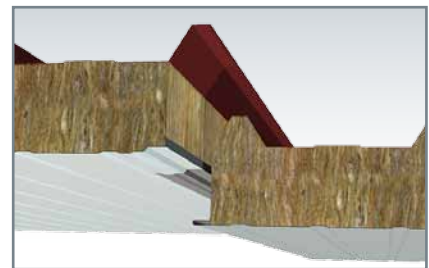
Should you choose other features not included in this table, please contact FTB technical department



Characteristics:

Thickness (mm)	50	75	100	120
Designed width (mm)	1000			
Overall width (mm)	1075			
Length (m)	Minimum 2 m, Up to a Maximum of 15 m			
Weight (approx.)* (kg/m²)	15,0	17,5	20,0	22,0

* Weight of FTB Sandwich Panel with standard features.



Properties:

Thickness (mm)	50	75	100	120	
Thermal (1)	Thermal Resistance (R) (m².K/W)	1,19	1,78	2,38	2,86
	Coefficient of thermal transmission (U) (W/m².K)	0,71	0,50	0,39	0,33
Acoustic	Sound Insulation (R_w) (1)	34 dB	Superior to 34 dB		
Reaction to Fire (1)		A2-s1,d0			
Fire Resistance		EI 45 (2)	EI 120 (3)	-	-

(1) Test carried out at Laboratório Nacional de Engenharia Civil (LNEC)

(2) Test carried out at Laboratório de Estruturas e Resistência ao Fogo da Universidade de Aveiro (LERF)

(3) Test carried at Laboratório AFITI - LICOF

Maximum Allowed Loads (kN/m²):

Span L (m)	Force (Breaking Load)		Maximum Deflection (mm)
	N/m ²	Kg/m ²	
1,50	6118	624	26
2,00	4408	450	27
2,50	3041	310	31
3,00	2224	227	49

Thickness: 50 mm