



Sandwich Panel FTB PF 1000 façade panel



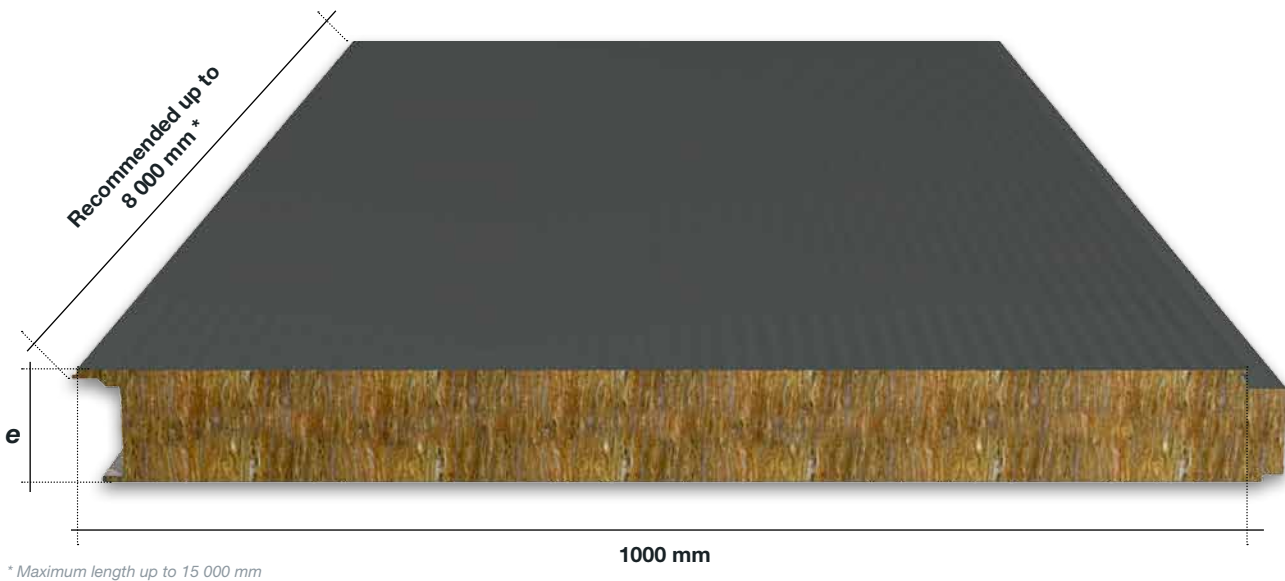
Description:

Roof Panel with Mineral Wool insulation core, brand **ROCTERM**, with concealed fixing, certified according with **EN 14509 Standard for "Self-supporting double skin metal faced insulating 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		
Metallic Support	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
	Coating	Galvanized	140 to 180 gr/m ²	Up to 275 gr/m ²	
		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	

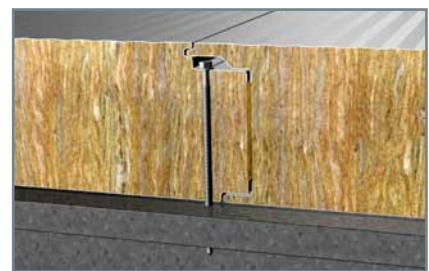
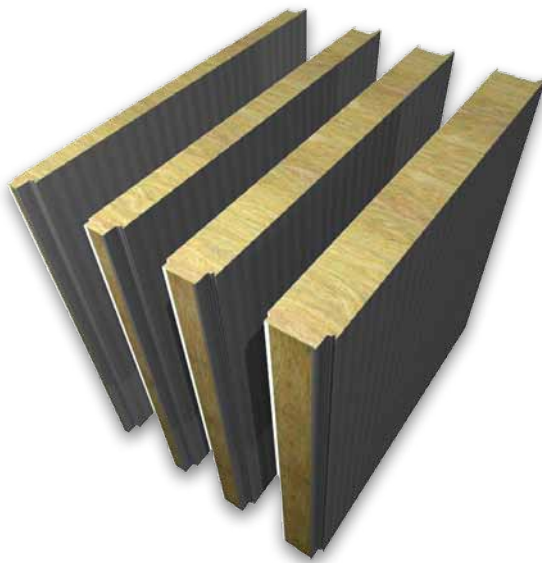
Should you choose other features not included in this table, please contact FTB technical department



Characteristics:

Thickness (mm)	50	75	100	120
Designed width (mm)	1000			
Overall width (mm)	1035			
Length (m)	Minimum 2 m, Up to a Maximum of 15 m			
Weight (approx.)* (kg/m ²)	14,0	16,5	19,0	21,0

* 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	1,79	2,38	2,86
	Coefficient of thermal transmission (U) (W/m².K)			
	0,74	0,51	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⁾	-

Maximum Allowed Loads (kN/m²):

Span L (m)	Thickness		
	50	75	100
1,50	4,44	6,47	7,48
2,00	2,8	4,35	4,95
2,50	1,98	3,12	3,80

⁽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