Roofmate RF

Extruded Polystyrene

XPS - EN 13164 - T1 - DS(TH) - 300

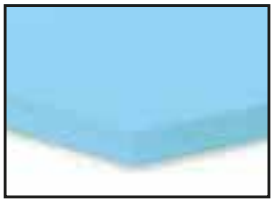
fibro stir xps

RF

Smooth surface

Shiplap edges (type L)

Shiplap edges (type L2)



Straight edges (Type I)

Tongue-and-groove edges (type D)

››› Product Description

The extruded polystyrene is a closed-cell foam insulation material. Approximately 93 % of its weight is polystyrene, while a small percentage also contains improvement admixtures, pigments and flame retardant. Polystyrene crystals are blended with special additives and eco-friendly blowing agents, creating a thick mixture. This mixture is then homogenized under automated and perfectly controlled conditions of temperature and pressure. When cooled, it forms a board of desired specifications. The uniform dispersion of fixed size cells in the mass of the insulating board ensures excellent insulation properties. The fibrostir xps thermal insulation board is now manufactured under the four most technically advanced production lines of Fibrotermica.

››› Uses

The fibro stir xps (RF) board is used to insulate external roofs and floors when they do not support heavy mechanical loads. They are also used when insulating tile roofs and underground external walls.

CE

ISTITUTO GIORDANO

EURO CERT

EN ISO 9001:2008

DoP

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Specifications
Roofmate RF

Packaging

THICKNESS	BOARD DIMENSIONS	m^2/ PACKAGING
20 mm	(1250x600) mm	15,00
30 mm	(1250x600) mm	10,50
40 mm	(1250x600) mm	7,50
50 mm	(1250x600) mm	6,00
60 mm	(1250x600) mm	5,25
80 mm	(1250x600) mm	3,75
100 mm	(1250x600) mm	3,00
120 mm	(1250x600) mm	2,25

Side edges can be configured/ formed/modulated in the following configurations/forms:
Profile: L, L2, I, D

Handling

No special precautions are required for transportation

Mechanical & Physical Properties

PROPERTIES	UNIT	VALUE		STANDARD MEASUREMENT
Thermal conductivity * λD max	W/(m K)	20mm	0,0304	EN 12667
	-//-	30mm	0,0318	
	-//-	40-60mm	0,033	
	-//-	⩾ 70mm	0,034	
	-//-			
Thermal conductivity λ* max	W/(m K)	0,029		EN 12667
Fireproof Classification	-	E		EN 13501-1 & EN ISO 11925-2
Long- Term water absorption by diffusion	% per volume	⩽ 3		EN 12088
Short-term water absorption by immersion	% per volume	⩽ 0,7		EN 12087
Resistance agents for Vapor Transmission, m	-	⩾ 120		EN 12086
Capillary tubes	-	None		
Compression Resistance σ10 % (min)	kPa	20mm	180	EN 826
		30mm	200	
		40-50 mm	250	
		60-120mm	300	
Dimensional stability (700 c, R. Hum. 90 %)	-	⩽ 5%		EN 1604
Temperature Usage	°C	-50/+70		

* Thermal conductivity after artificial aging of material after ±25 years of exposure.

Proper Use & Storage

FIBROSTIR XPS is not affected by rain, snow or intense cold therefore safe even in outdoor storage without any protection for several weeks. However, extensive exposure to sunlight can cause alterations and for this reason, storage in piles or under shed is recommended. Although FIBROSTIR XPS products contain flame retardants, they should not be stored near flammable materials. Maximum recommended exposure temperature: 75 ° C.

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