

Thermal Insulated Facade WRS

Extruded Polystyrene

XPS - EN 13164 - T2 - DS(TH)

fibro
stir
xps

WRS



New Product

with a specially formulated and processed surface that allows the construction to breathe

>>> 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 fibro stir xps thermal insulation board is now manufactured under the four most technically advanced production lines of Fibrotermica.

>>> Uses

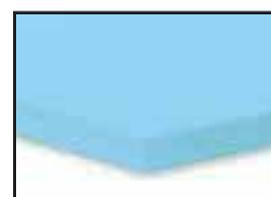
The fibro stir xps (WRS) breathable thermal façade board is used to insulate existing structures and exterior renovations, while allowing the building to breathe. This is achieved by the specific cell composition and structure, in combination with surface process. With fibro stir xps (WRS) boards, you save money on heating during winter, stay cool during summer, achieve thermal balance and protect the building from weather damage.



Specially processed surface



Cell structure ideal for cutting and welding



Straight edges (Type I)



EN ISO 9001:2008

DoP



fibrotermica

Specifications

Thermal Insulated Facade WRS



>>> Packaging

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



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
Short-term water absorption by immersion	% per volume	≤ 1,5		EN 12087
Resistance agents for Vapor Transmission, m	-	≥ 50		EN 12086
Capillary tubes	-	None		
Compression Resistance σ10 % (min)	kPa	20mm	180	EN 826
		30mm	200	
		≥40mm	300	
Dimensional stability (700 c, R. Hum. 90 %)	-	≤ 5%		EN 1604
Temperature Usage	°C	-50/+70		

>>> 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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