

WARM Therm EPS

Product Catalogue



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WARM THERM EPS

Description

WHITE EPS

Expanded Polystyrene is a lightweight closed cell rigid insulation formed by the expansion of polystyrene beads. EPS has excellent long term thermal and Moisture resistance. EPS insulation is reliable, cost effective and compatible with major construction materials systems.

The product is made of Expanded Polystyrene (EPS) and has a white thermal insulation panel. Offers high thermal insulation performance. Gas harmful to humans and the environment are not used in its production.

Area Of Use

It is used for external insulation of building walls, as well as for thermal insulation applications of insulation in terraces and hipped roofs, cells refrigerating rooms. It is particularly preferred in the passive domestic applications. Conservation Information: Should be stored in a cool and ventilated, not humid environment. Avoid contact with direct sunlight and be near heat sources.



Property

Thanks to its high flexibility, it does not break, does not disintegrate and is easily applied to the wall when cutting.

It does not retain water, it is water repellent characteristic is increased and has a very low water absorption rate. (WL (T) 2 2%). Maintains dimensional stability throughout the life of the building. No gases that are harmful to humans and the environment are used in its production.



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WARM THERM EPS
THERMAL INSULATION PANEL - WHITE

PRODUCT FAILS

Technical specifications

Product type: EPS 50, EPS 80, EPS 100, EPS 120
 White thermal insulation panel
 Color: White
 Thickness: Between 1cm - 20cm
 Dimensions: 50x100 cm
 Edge shape: Straight
 Cellular content: Air 98%, 2% polystyrene
 Packaging: PE nylon

Technical Specifications White	EPS 50	Unit	Class	EPS 80	Unit	Class	EPS 100	Unit	Class	EPS 120	Unit	Class
Thermal Conductivity:	0,04	W/mK		0,039	W/mK		0,036	W/mK		0,035	W/mK	
Length Tolerance:	2	mm	L(2)	2	mm	L(2)	2	mm	L(2)	2	mm	L(2)
Width Tolerance:	2	mm	W(2)	2	mm	W(2)	2	mm	W(2)	2	mm	W(2)
Thickness Tolerance:	1	mm	T(1)	1	mm	T(1)	1	mm	T(1)	1	mm	T(1)
Miter Deviation Tolerance:	2	mm	S(2)	2	mm	S(2)	2	mm	S(2)	2	mm	S(2)
Surface Smoothness Tolerance:	4	mm	P(4)	4	mm	P(4)	4	mm	P(4)	4	mm	P(4)
Dimensional Stability	0,5	%	DS(N)5	0,5	%	DS(N)5	0,5	%	DS(N)5	0,5	%	DS(N)5
At Certain Temperature and Relative Humidity Conditions Dimensional Stability:	1	%	DS(23/90)1	1	%	DS(23/90)1	1	%	DS(23/90)1	1	%	DS(23/90)1
Compressive stress at 10% deformation:	50	kPa		80	kPa		100	kPa		120	kPa	
Bending strength:	75	kPa	BS75	125	kPa	BS125	150	kPa	BS150	170	kPa	BS170
Thermal Resistance:	1,25	m ² K/W		1,25	m ² K/W		1,35	m ² K/W		1,40	m ² K/W	
Long Term Water Absorption with Partial Immersion:	2	%	WL(T) 2	2	%	WL(T) 2	2	%	WL(T) 2	2	%	WL(T) 2
Response to Fire Class: (TS EN 13163-2012)	E			E			E			E		