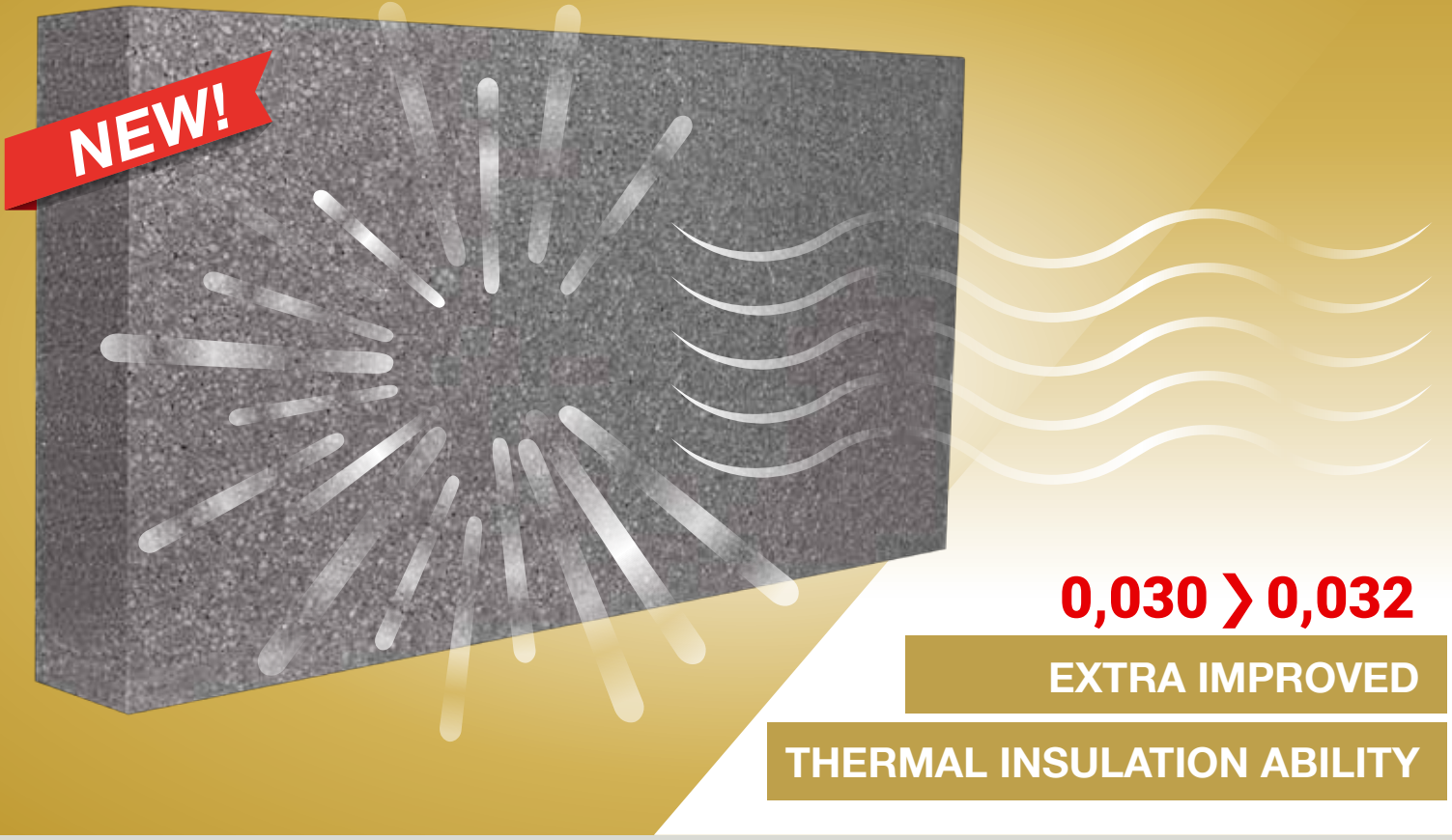


Austrotherm EPS PREMIUM®



0,030 > 0,032

EXTRA IMPROVED

THERMAL INSULATION ABILITY

- ▶ **Lower Heat Transmission Coefficient**
 $\lambda: 0,030 \text{ w/mK}^*$
- ▶ **Better Thermal Insulation**
- ▶ **More Savings**

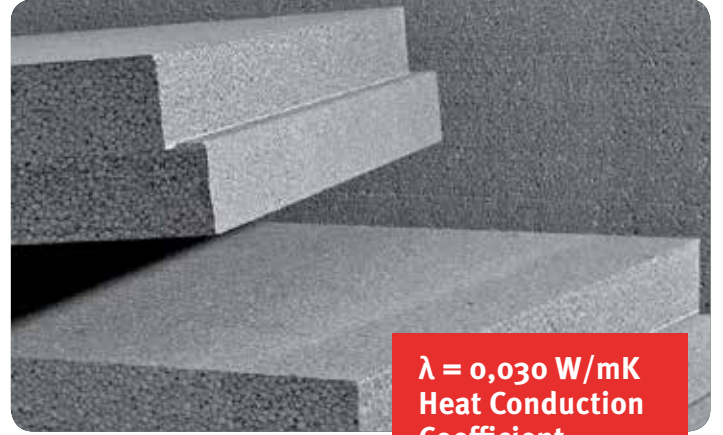
* This value shows how much heat the material used transmits. The low heat transmission coefficient indicates that the material has better heat insulation. It can be included in the calculation according to the T825 , 030 group.

Austrotherm EPS PREMIUM®

Thermal Insulation Board



Product sheet



$\lambda = 0,030 \text{ W/mK}$
Heat Conduction
Coefficient

Description

It is a thermal insulation board that offers high thermal insulation performance, produced from Expanded Polystyrene (EPS) and thanks to its intense graphite additive it has a heat transmission coefficient of 0.030 W / mK.

Properties:

With its 0.030 W / mK heat transmission coefficient, it offers much higher thermal insulation performance in applications with the same thickness compared to other gray colored EPS thermal insulation boards. In TS 825 calculations, 030 can be included in the thermal conductivity group. Thanks to the graphite additive it contains, it absorbs the rays coming from the sun while reflecting them at the same time. Thanks to its high flexibility, it does not break, disintegrate and is easily applied to the wall during cutting. It maintains its dimensional stability throughout the life of the building, and no gases harmful to human and environment are used in its production.

Area of use:

It is used for external thermal insulation-jacketing applications of building walls and thermal insulation applications on terrace and hipped roofs. It provides high thermal insulation performance especially in jacketing and roof thermal insulation applications of Low Energy Buildings and Passive Houses.

Storage Information:

It should be stored in a cool and ventilated, non-humid environment. Avoid contact with direct sunlight and being located near heat sources.

Quality certificates:

It complies with TS EN 13163: 2012 + A2 standard.



Technical Specifications

Product Type: EPS 70, Intense Graphite Additive Thermal Insulation Board

Color: Gray

Thickness: From 2cm to 10cm

Size: 50x100cm

Edge Shape: Straight

Cell content: Air 98%, 2% Polystyrene

Packaging: PE nylon

Austrotherm EPS PREMIUM®			
Technical Specifications	EPS 70	UNIT	CLASS
Thermal Conductivity Coefficient (λ)	0,03	W/mK	
Water Vapor Diffusion Resistance Factor - μ	20-40	μ	
Length Tolerance	± 2	mm	L2
Tolerance	± 2	mm	W2
Thickness Tolerance	± 1	mm	T1
Miter Tolerance	± 2	mm	S2
Surface Smoothness	± 3	mm	P3
Dimensional Stability in Fixed Conditions	$\pm 0,2$	%	DS(N)2
Dimensional Stability at Specific Temperature and Humidity	1	%	DS(70,-)1
Compressive Strength at 10% Deformation	≥ 70	kPa	CS(10)70
Crush Resistance	≥ 115	kPa	BS115
Tensile Strength Perpendicular to the Surface	≥ 130	kPa	TR 130
Long Term Water Absorption-Full Immersion	$\leq 0,1$	kg/m ²	WL(P)0,1
Fire Resistance (TS EN 13501-1)	E		
Thickness*	2-10	cm	
Dimensions	50x100	cm	
Usage Temperatures	(-50/75(+))	°C	

* It is recommended to be used at least 4 cm and above thickness in external applications.

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