

# Austrotherm EPS FASSADE®



**IDEAL**

**THERMAL INSULATION**

- ▶ **Ideal Insulation Performance**  
 $\lambda: 0,034 \text{ W/mK}^*$
- ▶ **Ideal Application performance**
- ▶ **Ideal Cost**

\* This value shows how much heat the material used transmits, and the low heat transmission coefficient indicates that the material has better heat insulation.

# Austrotherm EPS FASSADE®

## Thermal Insulation Board



### Product sheet



#### Description

It is a gray colored thermal insulation board made of Expanded Polystyrene (EPS).

#### Properties:

It provides the ideal thermal insulation performance in EPS exterior insulation applications with its minimum 100kPa perpendicular tensile value and 0.033W/mK heat transmission coefficient value. It has enough flexibility, it does not break when cutting, does not spread and is easily applied to the wall. Dimensional stability and thermal insulation performance do not change during the life of the building. Gases harmful to human and environment are not used in its production.

#### Area of use:

It is used in exterior thermal insulation applications in buildings.

#### 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 50

**Color:** Gray

**Thickness:** Between 4cm - 10cm

**Size:** 50x100cm

**Edge Shape:** Straight

**Cell Content:** Air 98%, 2% Polystyrene

**Packaging:** PE nylon

Austrotherm EPS FASSADE®			
Technical Specifications	EPS 50	UNIT	CLASS
Thermal Conductivity Coefficient ( $\lambda$ )	0,034	W/mK	
Water Vapor Diffusion Resistance Factor - $\mu$	20-40	$\mu$	
Length Tolerance	$\pm 2$	mm	L2
Tolerance	$\pm 2$	mm	W2
Thickness Tolerance	$\pm 1$	mm	T1
Miter Tolerance	$\pm 2$	mm	S2
Surface Smoothness	$\pm 3$	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	$\geq 50$	kPa	CS(10)50
Crush Resistance	$\geq 75$	kPa	BS75
Tensile Strength Perpendicular to the Surface	$\geq 100$	kPa	TR 100
Long Term Water Absorption-Full Immersion	$\leq 0,5$	kg/m <sup>2</sup>	WL(T)0,5
Fire Resistance (TS EN 13501-1)	E		
Thickness*	4-10	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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