



November 2016

## AKUSTIK BOARD

### Product description

AKUSTIK BOARD insulation boards are made of Mineral Wool with ECOSE Technology®, using binder without any added formaldehyde, which gives the typical brown color of the product.

### Application

- Partition walls and brick walls
- Ceilings and pitched roofs

AKUSTIK BOARDs are optimized for use as sound absorbing mineral wool for internal partition structures, particularly gypsum walls with profiles of 625 mm. They can also be used in ceilings, ceiling structures or cavity walls as thermal insulation as well as in ventilated facades.

### Certification and properties

The product AKUSTIK BOARD has CE marking according to the European Standard EN 13162 and Declaration of Performance available on [www.knaufinsulation.gr](http://www.knaufinsulation.gr)



### Basic Properties

#### Sound Absorption

The open structure of highly elastic mineral wool contributes to good acoustics of building structures.

#### Thermal insulation properties

The value of the thermal conductivity ( $\lambda$ ) is 0.037 W/m·K.

#### Low resistance to vapor diffusion

The diffusion resistance of mineral wool is approaching the diffusion of vapor through air.

#### Fire resistance

Mineral insulation is non-combustible with reaction to fire Euroclass A1.

### Advantages

- Effectively absorbs noise
- Optimized format
- Good thermal insulation
- with ECOSE Technology®:
  - no added formaldehyde
  - easy to cut
  - easy to handle / softness

# AKUSTIK BOARD

## Properties

Technical characteristics	Symbol	Value / Class	Units	Standard
Declared coefficient of thermal conductivity	$\lambda_0$	0,037	W/m·K	EN 12667
Thickness tolerance	-	T2	-	EN 13162
Reaction to fire	-	A1	-	EN 13501-1
Vapor diffusion resistance factor	$\mu$	MU1 $\mu = 1$	-	EN 13162
Airflow resistance	-	AFr5 >5	kPa·s/m <sup>2</sup>	EN 29053
Identification code according to EN13162	MW-EN 13162-T2-MU1-AFr5			

## Dimensions and thermal resistance

Thickness	Width	Length	Thermal Resistance
[mm]	[mm]	[mm]	R [m <sup>2</sup> ·K/W]
40	625	1250	1,05
50	625	1250	1,35
60	625	1250	1,60
80	625	1250	2,15
100	625	1250	2,70

## Packaging

The products are delivered in PE heat-shrinking foil, on pallets. The protective package is marked with the manufacturer's logo and a label indicating the specifications of the product and recommended mode of its application.

## Quality

Knauf Insulation is the holder of certificate of quality management system according to ISO 9001: 2008, management system certificate in occupational safety and health OHSAS 18001: 2007, environmental management system certificate according to ISO 14001: 2004 management system certification and energy management according to EN ISO 50001: 2011.



Knauf Insulation  
Evrpidou 10  
176 74 Kallithea, Greece  
sales.gr@knaufinsulation.com  
Tel: +30 211 710 7007  
Fax: +30 211 740 9480

 [www.facebook.com/knaufinsulation.gr/](http://www.facebook.com/knaufinsulation.gr/)

 [www.twitter.com/KIGreece](http://www.twitter.com/KIGreece)

 [www.youtube.com/user/KnaufInsulationGR](http://www.youtube.com/user/KnaufInsulationGR)