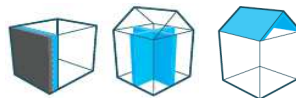


## NaturBoard VENTACUSTO

March 2021



### APPLICATIONS



### PRODUCT DESCRIPTION

Insulation slab for ventilated facades, drywall lining and partition walls with improved sound insulation properties

NaturBoard VENTACUSTO is a compact rock mineral wool slab of stable density and belongs to the group of semi-hard products. The product is non-combustible, resistant to high temperatures, water-repellent, resistant to aging and chemically neutral.

### TECHNICAL CHARACTERISTICS

Declared coefficient of thermal conductivity $\lambda_D$	0.034 W/mK
Reaction to fire	A1 - non-combustible material
Water vapour diffusion resistance factor $\mu$	~1
Air flow resistance AFR	>5 kPa·s/m <sup>2</sup>
Short term water absorption $W_p$	≤1 kg/m <sup>2</sup>
Long term water absorption $W_{lp}$	≤3 kg/m <sup>2</sup>
Melting point	> 1000 °C
Specific heat capacity $C_p$	1030 J/kgK

DESIGNATION CODE: MW - EN 13162 - A1-T5-WS-WL(P)-AF 5

### BENEFITS

- Excellent thermal insulation properties
- Excellent sound absorption
- Stable and compact material
- Water repellent and vapour permeable
- Increased safety in case of fire
- The material meets health, safety and environmental requirements

### DIMENSIONS AND PACKAGING

Thickness (mm)	Width (mm)	Length (mm)	pcs / packaging	m <sup>2</sup> / packaging	packages / pallet	m <sup>2</sup> / pallet	R Thermal resistance (m <sup>2</sup> K/W)
30	600	1000	12	7.20	14	100,8	0,88
40	600	1000	9	5.40	14	75,6	1,18
50	600	1000	8	4.80	12	57,6	1,47
60	600	1000	6	3.60	14	50,4	1,76
70	600	1000	6	3.60	12	43,2	2,06
80	600	1000	4	2.40	32	76,8	2,35
90	600	1000	4	2.40	32	76,8	2,65
100	600	1000	3	1.80	32	57,6	2,94
120	600	1000	3	1.80	28	50,4	3,53

### CERTIFICATES



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### ADDITIONAL INFORMATION

#### Application

The product is intended for thermal and sound insulation, as well as for fire protection of sandwich walls and ventilated facades of height up to between 12 and 20m, drywall linings, and partition walls as well as for parts of the structure where the sound performance requirements are increased– it can also be used separately, as an absorption lining.

#### Packaging

The product NaturBoard VENTACUSTO is delivered in PE heat-shrinking foil. The products must be stored in a dry place, indoors or under roof. In exceptional situations, the packages stored outdoors should be protected by watertight foil. The packages must not be placed directly on the ground.

#### Quality

NaturBoard VENTACUSTO is certified to comply with standard EN 13162 as well as with the EUCEB certificate which ensures that the product is biosoluble and not dangerous for health in accordance with European Directive 97\69\EC. Due to ECOSE Technology naturally based binder, it also possesses Eurofins Indoor Air Comfort Gold Certificate, regarding indoor Environmental Quality and Low-Emitting Materials.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colors.

#### Knauf Insulation SA

10 Evripidou str.  
176 74 Kallithea  
Greece

sales.gr@knaufinsulation.com

Tel.: +30 211 710 7007

Fax.: +30 211 740 9480