

Rock **VENT**

Stonewool insulation board

Technical Data Sheet



Description

Rock **VENT** stonewool board is a natural inorganic fibrous product that is industrially produced from molten rock spun into fibers, in accordance with European Standard EN 13162 (Thermal insulation products for buildings - Factory made mineral wool (MW) products).

Applications

Boards designed for thermal insulation, fire resistance and sound insulation applications:

Insulation of cavity of **vertical elements**, such as:

- Core insulation for walls (dry-construction with any type of boards, timber construction, metal or gypsum panels etc.)
- Masonry cavity walls

Insulation of cavity of **horizontal elements**, such as:

- Dry-construction ceiling, non-perforated suspended ceiling
- Attic ceiling lining
- Between floor timber joists
- Pilotis external insulation with dry construction cladding

Advantages

- Excellent thermal insulation
- Non-combustible material with excellent fire resistance
- Excellent sound absorption and sound reduction
- Open hive structure material with very low water vapor diffusion resistance that enhances the building element's breathability
- Excellent dimensional stability and durability
- Water repellent and non-hygroscopic
- Easy to handle, cut and install
- Natural, inorganic, odorless, chemically inert (practically neutral PH)
- Recyclable, friendly to the environment and to the end user

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Designation Code:

MW-EN 13162-T4-WS-WL(P)-MU1-AW1-AFr30

Technical Characteristics	Symbol EN 13162	Unit	Value
Declared thermal conductivity at 10°C	λ_D	W/mK	0,034
Nominal thickness	d_N	mm	50 - 100
Fire classification	-	Class	A1
Melting temperature	-	°C	> 1000
Specific heat capacity	c	kJ/kgK	1,03
Thickness tolerance	T	Class	T4
Short term water absorption for 24 hours	WS	kg/m ²	< 1
Long term water absorption for 28 days	WL(P)	kg/m ²	< 3
Water vapor diffusion resistance factor, μ	MU	-	1
Air flow resistivity, r	AFr	kPa s/m ²	≥30

Table A

Thickness	d_N [mm]	50	100
Thermal resistance R	R_d [m ² K/W]	1,45	2,90

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Storage

Rock **VENT** products should be stored indoors. If stored outdoors, they must be protected from impregnation. Handling, loading and unloading of the products should be carried out with care to avoid damage to both the packaging and the board's edges.

Packaging

Thickness [mm]	Width [mm]	Length [mm]	Boards per package [pcs.]	Quantity per package [m ²]	Packages per pallet [pcs.]	Quantity per pallet [m ²]
50	600	1200	8	5,76	12	69,12
100	600	1200	4	2,88	12	34,56

Production plant

Rock 7 Ltd. Bulgaria
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