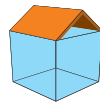




Technical Data Sheet

April 2016

## NaturBoard FIT PLUS



Insulation slab for pitched roof

### Product description

NaturBoard FIT PLUS is a compact rock mineral wool slab of stable density, belongs to the group of soft products. The product is incombustible, resistant to high temperatures, water-repellent, resistant to aging and chemically neutral.

### Dimensions and packaging

Thickness (mm)	Width (mm)	Length (mm)	pcs / package	m <sup>2</sup> / package	m <sup>3</sup> / package
40	600	1000	15	9,0	0,36
50	600	1000	12	7,2	0,36
60	600	1000	9	5,4	0,32
70	600	1000	8	4,8	0,34
80	600	1000	6	3,6	0,29
90	600	1000	6	3,6	0,32
100	600	1000	6	3,6	0,36
120	600	1000	5	3,0	0,36
150	600	1000	4	2,4	0,36
200	600	1000	3	1,8	0,36

### Basic Properties

#### Thermal conductivity

Low value of thermal conductivity  
 $\lambda_0=0.037$  W/mK

#### Reaction to fire

Non-combustible material A1

#### Sound insulation

Excellent sound absorption due to dense fibre structure.

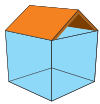
### Advantages

- Stable and compact material
- Resistance to aging
- Self-supporting material: enabled by cutting the slabs to be 1 cm wider than the width between the rafters
- The material meets health, safety and environmental requirements
- Simple and quick installation

## NaturBoard FIT PLUS

### Technical characteristics

Characteristics	Symbol	Value
Dedared coefficient of thermal conductivity $\lambda_0$	W/mk	0,037
Reaction to fire	-	A1 - non-combustible material
Air flow resistance r	kPa·s/m <sup>3</sup>	>5
Diffusion resistance factor $\mu$	-	~1



### Application

The product is intended for thermal and sound insulation, as well as for fire protection of pitched roofs and in all places where the insulation is not subjected to pressure load. Depending on the ventilation degree of the roof structure and/or the layer above the insulation material, installation of vapour barrier is mandatory on the warmer side of the roof insulation. If the ventilation of the roof structure is intensive, use of vapour barrier is recommended.

### Mineral Wool with ECOSE® Technology

Since January 2016, NaturBoard family of Rock Mineral Wool products is produced with ECOSE® Technology - innovative binder technology with no added formaldehyde, based on rapidly renewable materials from nature instead of oil based chemicals.

### Packaging

The product NaturBoard FIT PLUS is delivered in PE heat-shrinking foil. The products must be stored 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.



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