

## NaturBoard FIT PLUS

April 2020



### APPLICATIONS



### PRODUCT DESCRIPTION

**Insulation slab for suspended ceilings, drywall systems and pitched roofs**  
NaturBoard FIT PLUS is a compact rock mineral wool slab of stable density and belongs to the group of soft 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 $\lambda_D$	0.037 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>

### BENEFITS

- Non-combustible material A1
- Self-supporting material: enabled by cutting the slabs to be 1cm wider than the width between the rafters
- Stable and compact material
- Resistance to aging
- The material meets health, safety and environmental requirements
- Simple and quick installation

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

### 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)
40	600	1000	15	9	8	72	1,08
50	600	1000	12	7,2	8	57,6	1,35
60	600	1000	9	5,4	8	43,2	1,62
70	600	1000	8	4,8	8	38,4	1,89
80	600	1000	6	3,6	10	36	2,16
90	600	1000	6	3,6	8	28,8	2,43
100	600	1000	6	3,6	8	28,8	2,70
120	600	1000	5	3	8	24	3,24

### CERTIFICATES



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### ADDITIONAL INFORMATION

#### Application

The product is intended for thermal and sound insulation, as well as for fire protection of suspended ceilings, drywall systems and pitched roofs and in all places where the insulation is not subjected to pressure load.

#### Packaging

The product NaturBoard FIT PLUS 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 FIT PLUS 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 colours.

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