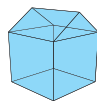




Technical Data Sheet May 2016

## NaturBoard TF



Multifunctional insulation slab

### Product description

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

### Dimensions and packaging

| Thickness<br>(mm) | Width<br>(mm) | Length<br>(mm) | pcs<br>/ package | m <sup>2</sup><br>/ package | m <sup>3</sup><br>/ package |
|-------------------|---------------|----------------|------------------|-----------------------------|-----------------------------|
| 20                | 600           | 1000           | 15               | 9,0                         | 0,18                        |
| 30                | 600           | 1000           | 10               | 6,0                         | 0,18                        |
| 40                | 600           | 1000           | 8                | 4,8                         | 0,19                        |
| 50                | 600           | 1000           | 6                | 3,6                         | 0,18                        |
| 60                | 600           | 1000           | 5                | 3,0                         | 0,18                        |
| 70                | 600           | 1000           | 5                | 3,0                         | 0,21                        |
| 80                | 600           | 1000           | 4                | 2,4                         | 0,19                        |
| 90                | 600           | 1000           | 4                | 2,4                         | 0,22                        |
| 100               | 600           | 1000           | 3                | 1,8                         | 0,18                        |
| 120               | 600           | 1000           | 3                | 1,8                         | 0,22                        |
| 150               | 600           | 1000           | 2                | 1,2                         | 0,18                        |
| 200               | 600           | 1000           | 2                | 1,2                         | 0,24                        |

### Basic Properties

#### Thermal conductivity

Low value of thermal conductivity  
 $\lambda_0=0.035$  W/mK

#### Reaction to fire

Non-combustible material A1

#### Sound insulation

Excellent sound absorption due to dense fibre structure.

### Advantages

- Increased safety in case of fire
- Excellent thermal insulation characteristics
- No distortion or sinking of insulation material
- Resistance to aging
- The material meets health, safety and environmental requirements

## NaturBoard TF

### Technical characteristics

| Characteristics   | Symbol               | Value                         |
|---|----------------------|-------------------------------|
| Dedared coefficient of thermal conductivity $\lambda_0$ | W/mk                 | 0,035                         |
| Reaction to fire  | -                    | A1 - non-combustible material |
| Air flow resistance r                                   | kPa·s/m <sup>3</sup> | >5                            |
| Diffusion resistance factor $\mu$                       | -                    | >1                            |



### Application

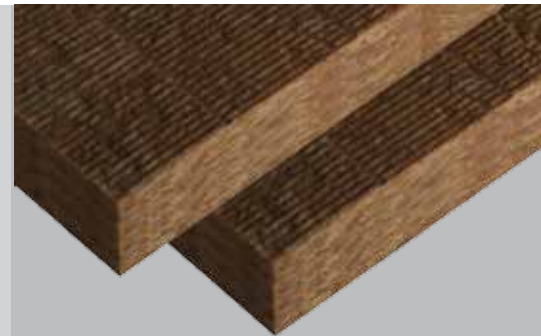
The product is intended for thermal and sound insulation, as well as for fire protection of diferent construction elements where a higher degree of fire resistance is required.

### 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 TF 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.



Knauf Insulation d.o.o. Beograd  
Batajnički drum 16b  
11080 Zemun  
office.belgrade@knaufinsulation.com  
Tel.: +381 (11) 3310 800  
Fax: +381 (11) 3310 801

 [www.facebook.com/knaufinsulationserbia](http://www.facebook.com/knaufinsulationserbia)

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

 [www.youtube.com/KISerbia](http://www.youtube.com/KISerbia)

