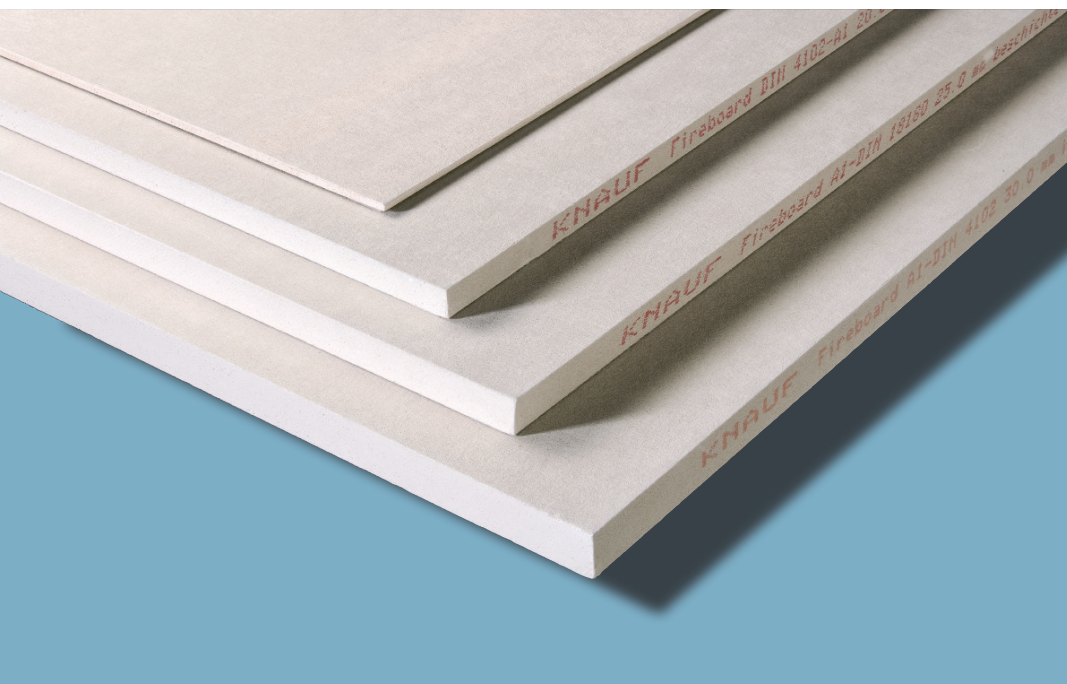


# Knauf Fireboard®

Technical Data Sheet 12/2023



# Knauf Fireboard®

Special gypsum board A1 for fire protection

## Product Description

Knauf Fireboard® is A1 class, fiber glass fleece coated gypsum board (paper free) which provides up to 3 hours fire protection.

## Storage

Boards should be stored on pallets in a dry environment. If the boards are stored inside, max. 6 pieces on each other; outside max. 5 pieces on each other. Gypsum boards should be stored so as to prevent damage to the front faces of each boards during packaging. If the boards are stored outside, they must be covered with nylon and etc.

## Standard

EN 15283 - 1 GM - F

## Fields of Application

Knauf Fireboard® can be used in drywall systems that provide particularly optimized fire protection.



- Partition walls
- Suspended ceilings
- Shaft walls
- Fire protection encasements of timber frames and steel constructions
- Cable and ventilation ducts
- Ship building



## Properties

- High fire resistance
- Non-combustible A1
- Low expansion and shrinkage when climate conditions change
- Arc resistant
- Dry and easy installation
- Time saving
- High surface quality

### Technical Data

| Description  | Unit              | 15 mm  | 20 mm                     | 25 mm                     | Standard     |
|--|-------------------|--|---------------------------|---------------------------|--------------|
| Board type   | -                 | GM - F   | GM - F                    | GM - F                    | EN 15283-1   |
| Reaction to fire                                       | class             | A1   | A1                        | A1                        | EN 13501-1   |
| Weight   | kg/m <sup>2</sup> | approx. 12   | approx. 15,6              | approx. 19,6              | -            |
| Long edges   | -                 | Cut edges<br> |                           |                           |              |
| Front edges  | -                 | Cut edges<br> |                           |                           | -            |
| Width dimensional tolerance                            | mm                | +0 / -4  | +0 / -4                   | +0 / -4                   | EN 15283-1   |
| Length dimensional tolerance                           | mm                | +0 / -5  | +0 / -5                   | +0 / -5                   | EN 15283-1   |
| Thickness dimensional tolerance                        | mm                | +0,7 / -0,7  | +0,8 / -0,8               | +1,0 / -1,0               | EN 15283-1   |
| Angularity dimensional tolerance (for 1 m board width) | mm                | ≤ 2.5  | ≤ 2.5                     | ≤ 2.5                     | EN 15283-1   |
| Bending radius (dry)                                   | m                 | r ≥ 7  | r ≥ 10                    | r ≥ 25                    | EN 15283-1   |
| Long term temperature exposure (max.)                  | °C                | ≤ 50<br>(short term ≤ 60)  | ≤ 50<br>(short term ≤ 60) | ≤ 50<br>(short term ≤ 60) | -            |
| Thermal conductivity λ                                 | W/(m·K)           | 0,23   | 0,23                      | 0,23                      | EN ISO 10456 |
| Water vapour resistance factor (dry)                   | μ                 | 10   | 10                        | 10                        | EN ISO 10456 |
| Water vapour resistance factor (wet)                   | μ                 | 4  | 4                         | 4                         | EN ISO 10456 |
| Flexural breaking load longitudinal direction          | N                 | ≥ 645  | ≥ 860                     | ≥ 1075                    | EN 15283-1   |
| Flexural breaking load transverse direction            | N                 | ≥ 252  | ≥ 336                     | ≥ 420                     | EN 15283-1   |

### Product Range

| Description               | Width (mm) | Length (mm) | Weight (kg/m <sup>2</sup> ) | Packaging (pcs./pallet) | Material Number |
|---------------------------|------------|-------------|-----------------------------|-------------------------|-----------------|
| Knauf Fireboard®<br>15 mm | 1200       | 2000        | approx. 12                  | 40                      | 88307           |
|                           | 1250       | 2000        | approx. 12                  | 40                      | 2906            |
| Knauf Fireboard®<br>20 mm | 1200       | 2000        | approx. 15,6                | 30                      | 44283           |
|                           | 1250       | 2000        | approx. 15,6                | 30                      | 2908            |
| Knauf Fireboard®<br>25 mm | 1200       | 2000        | approx. 19,6                | 20                      | 88309           |
|                           | 1250       | 2000        | approx. 19,6                | 20                      | 2907            |

### Safety Instructions

- Wash hands with plenty of water after handling.
- Use protective gloves / protective clothing / eye protection / face protection.
- In case of contact with eyes: Rinse your eyes cautiously with water for several minutes. If there is a lens remove it and continue to rinse.
- If eye irritation persists: Get medical advice / attention.

### System Performance Values

Performance values as sound insulation, fire resistance etc. may differ acc. to the drywall system to be applied. Please check the performance values of the drywall systems;

[Knauf Technical Website](#)  
[Document Center](#)

### Application

Application should be done acc. to the applicable standards (TS 1475) and acc. to the Knauf Technical Brochures of the respective drywall system. For filling use Fireboard® Joint Filler. In addition to the joint filling, a skim coating of the entire board surface with Fireboard® Joint Filler is required for the direct application of coatings or linings.