

## Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.

# KNAUF



## K751.de



Drywall Systems

2012-03

# Knauf Fireboard

Special gypsum board A1 for premium fire protection

## Product description

- Board type EN 15283-1 GM-F
- Colour of board liner fleece: bright grey
- Back side marking: red

## Order information

- Board thickness 12.5 mm
- 2000x1250 mm Material no. 00052457
- Board thickness 15 mm
- 2000x1250 mm Material no. 00002906
- Board thickness 20 mm
- 2000x1250 mm Material no. 00002908
- Board thickness 25 mm
- 2000x1250 mm Material no. 00002907
- Board thickness 30 mm
- 2000x1250 mm Material no. 00002909
- Customized lengths on request

## Storage

Store boards on wooden pallets in a dry environment.

## Fields of application

Knauf Fireboard gypsum boards are used in dry-wall systems that provide particularly optimized fire protection.

### Systems:

- Ceiling linings and suspended ceilings
- Metal stud partitions
- Installation shaft walls
- Room-in-room systems Knauf Cubo
- Fire protection encasements of timber frames and steel constructions
- Cable and ventilation ducts
- Engineered fire protection

### Knauf Fireboard in shipbuilding

The Certification of Seamen's Accident Prevention and Insurance Association No. 107.052 enables Knauf Fireboard to be used as equipment for ships.



## Properties and added value

- Highest coherence of structure when exposed to fire
- Non-combustible
- Low weight
- Easy application
- Low expansion and shrinkage when climate conditions change
- Arc resistant

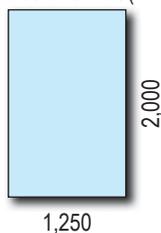
# K751.de Knauf Fireboard

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## Technical data

### ■ Board format (in mm):



### ■ Edge types

- Long edges with fleece lining: **VK**



- Front edges: **SK**



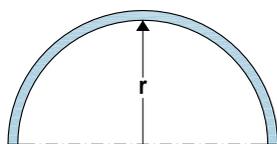
### ■ Dimension tolerances acc. to EN 15283-1:

- Width: +0 / -4 mm
- Length: +0 / -5 mm
- Thickness for 12.5 / 15 mm: +0.7 / -0.7 mm
- Thickness for 20 mm: +0.8 / -0.8 mm
- Thickness for 25 mm: +1.0 / -1.0 mm
- Thickness for 30 mm: +1.2 / -1.2 mm
- Angularity: ≤ 2.5 mm per m board width

### ■ Minimum bending radii

(dry bending)

Board thickness in mm	Min. bending radius r in m
12.5	4
15	7
20	10
25	25
30	50



Board type:	GM-F	EN 15283-1
Reaction to fire EN 13501-1:	A1	
Water vapour diffusion resistance $\mu$ :		EN ISO 10456
■ Dry	10	
■ Wet	4	
Thermal conductivity $\lambda$ :	W/(m·K) 0.23	EN ISO 10456
Shrinkage and expansion		
■ per 1 % change of relative air humidity:	mm/m	0.005 - 0.008
■ per 1 Kelvin change of temperature:	mm/m	0.013 - 0.02
Density:	kg/m <sup>3</sup>	≥ 780
Board weight		
■ Board thickness 12.5 mm:	kg/m <sup>2</sup>	approx. 10.5
■ Board thickness 15 mm:	kg/m <sup>2</sup>	approx. 12.0
■ Board thickness 20 mm:	kg/m <sup>2</sup>	approx. 15.8
■ Board thickness 25 mm:	kg/m <sup>2</sup>	approx. 20.0
■ Board thickness 30 mm:	kg/m <sup>2</sup>	approx. 24.0
Flexural breaking load		
		EN 15283-1
■ Board thickness 12.5 mm:		
- Longitudinal direction:	N	≥ 538
- Transverse direction:	N	≥ 210
■ Board thickness 15 mm:		
- Longitudinal direction:	N	≥ 645
- Transverse direction:	N	≥ 252
■ Board thickness 20 mm:		
- Longitudinal direction:	N	≥ 860
- Transverse direction:	N	≥ 336
■ Board thickness 25 mm:		
- Longitudinal direction:	N	≥ 1,075
- Transverse direction:	N	≥ 420
■ Board thickness 30 mm:		
- Longitudinal direction:	N	≥ 1,290
- Transverse direction:	N	≥ 504
Max. limit for long-term temperature exposure: °C	≤ 50 (short-term ≤ 60)	
Arc behaviour number	LV 1.1.1.2	DIN VDE 0303-5

## Notes

### Application

Application should be acc. to the applicable standards and acc. to the Knauf System Data Sheets of the respective drywall system.

For filling use Knauf Fireboard Filler acc. to Product Data Sheet K466.de. In addition to the joint filling, a skim coating of the entire board surface with Knauf Fireboard Filler is required for the direct application of coatings or linings.

### Disposal

Waste code number (AVV code):  
17 08 02  
17 09 04

### Knauf Direct

Technical Advisory Service:

▶ Phone: +49 9001 31-1000 \*

▶ Fax: +49 1805 31-4000 \*\*

▶ [www.knauf.de](http://www.knauf.de)

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\*\* Fax: 0.14 €/Min. within the German landline network

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