



The Knauf Fireboard is a special gypsum board A1 for premium fire protection.

Knauf Fireboard gypsum boards are used in drywall systems that provide particularly optimized 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

TECHNICAL DATA			
Board type		GM-F	EN 15283-1
Reaction to fire EN 13501-1:		A1	
Water vapour diffusion resistance μ		Dry: 10 Wet: 4	EN ISO 10456
Thermal conductivity λ	W/(m·K)	0.23	EN ISO 10456
Shrinkage and expansion	mm/m	per 1 % change of relative air humidity: 0.005 - 0.008 per 1 Kelvin change of temperature: 0.013 - 0.02	
Density	kg/m ³	≥ 780	
Board weight	kg/m ²	Board thickness 12.5 mm: approx. 10.5 Board thickness 15 mm: approx. 12.0 Board thickness 20 mm: approx. 15.8 Board thickness 25 mm: approx. 20.0 Board thickness 30 mm: approx. 24.0	
Flexural breaking load	N	Board thickness 12.5 mm: Longitudinal direction: ≥ 538; Transverse direction: ≥ 210 Board thickness 15 mm: Longitudinal direction: ≥ 645; Transverse direction: ≥ 252 Board thickness 20 mm: Longitudinal direction: ≥ 860; Transverse direction: ≥ 336 Board thickness 25 mm: Longitudinal direction: 1.075; Transverse direction: ≥ 420 Board thickness 30 mm: Longitudinal direction: ≥ 1.290; Transverse direction: ≥ 504	EN 15283-1
Max. limit for long term temperature exposure	°C	≤ 50 (short-term ≤ 60)	
Arc behaviour number	LV	1.1.1.2	DIN VDE 0303-5

Product description

Board type

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

Storage

Store boards on wooden pallets in a dry environment.

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.

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. K751.de/engl./03.12/FB/D K751.de Knauf Fireboard Special gypsum board A1 for premium fire protection

Disposal

Waste code number (AVV code):

17 08 02
17 09 04

Suitable for the following 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

Technical data

Board format (in mm):

1250 x 2000

Edge types

- Long edges with paper lining: VK
- Front edges: SK

Dimension tolerances acc. to EN 15283-1:

- Width: +0 / -4 mm
- Length: +0 / -5 mm
- Thickness at 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