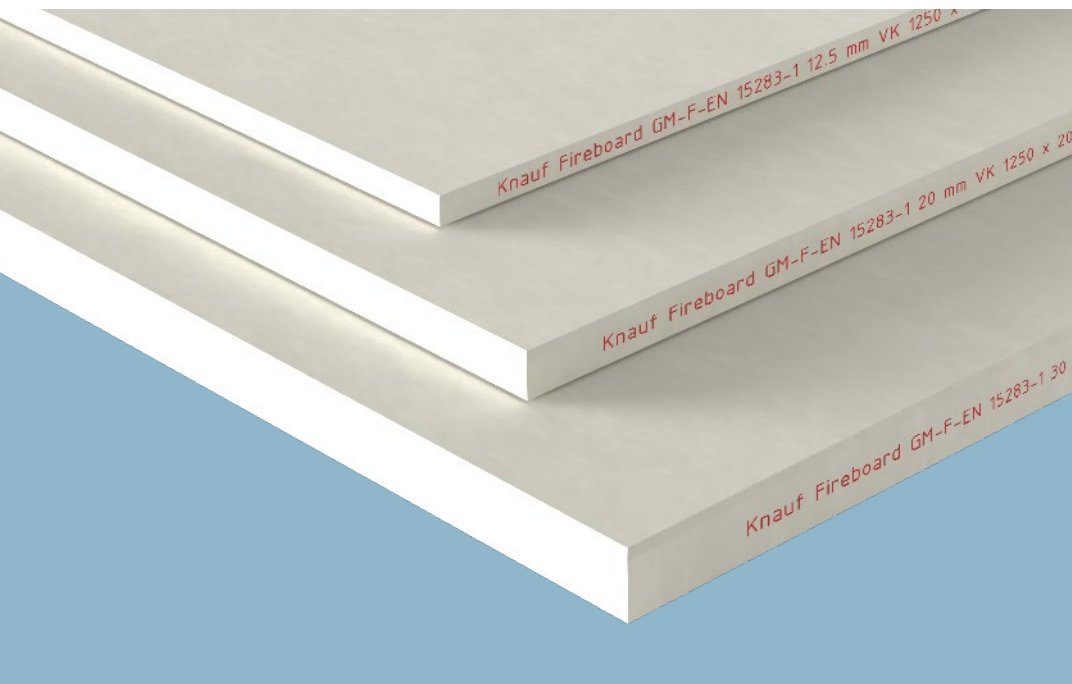


Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product 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.



Drywall Systems

K751.de

Product Data Sheet

2021-07



Fireboard

Special gypsum board A1 for premium fire protection in drywalling

Product description

Fireboards are fibre-reinforced gypsum boards with fleece reinforcement. The boards are non-combustible A1 for premium quality fire protection.

- Board type
EN 15283-1
- Board liner fleece
- Rear side marking

GM-F
light grey
red

Storage

Store boards on board pallets in a dry environment.

Quality

In compliance with EN 15283-1, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- Best coherence of structure when exposed to fire
- Non-combustible, A1
- Low weight
- Easy application
- Low expansion and shrinkage when climate conditions change
- Arc resistant

Field of application

Fireboard is used in special drywalling systems.

Fireboard can also be used outfitting ships compliant to certificate M19019 / M19022 of the TÜV NORD Systems GmbH & Co. KG.

Suitable for the following systems:

- Cladding of steel beams and columns
- Encasement of wooden columns and wooden beams
- Room-in-room systems Knauf Cubo
- Free-spanning ceilings F90
- Ceiling linings and suspended ceilings
- Installation shaft walls
- Metal stud partitions

Installation

Application

Note	Application should be undertaken in accordance to the applicable standards and acc. to the relevant Knauf system data sheets for drywall systems.
-------------	---

Jointing

Jointing acc. to the product data sheet [K466.de Fireboard Spachtel Filler](#).

Application of a skim coat is unnecessary if there are no special demands made on the surface.

In case of a coating (e.g. paint finish) with optical finishing requirements, we recommend application of a full surface skim coat so that the difference between the board and joint is equalized.

Technical data

Description	Standard	Unit	Fireboard 12.5	Fireboard 15	Fireboard 20	Fireboard 25	Fireboard 30
Board type European	EN 15283-1	–	GM-F	GM-F	GM-F	GM-F	GM-F
Reaction to fire	EN 13501-1	–	A1	A1	A1	A1	A1
Board weight (nominal)		kg	Approx. 11.1	Approx. 12.3	Approx. 16.4	Approx. 20.4	Approx. 24.6
Density	–	kg/m ³	≥ 780	≥ 780	≥ 780	≥ 780	≥ 780
Width dimensional tolerance	EN 15283-1	mm	+0 / -4	+0 / -4	+0 / -4	+0 / -4	+0 / -4
Length dimensional tolerance	EN 15283-1	mm	+0 / -5	+0 / -5	+0 / -5	+0 / -5	+0 / -5
Thickness dimensional tolerance	EN 15283-1	mm	+0.7 / -0.7	+0.7 / -0.7	+0.8 / -0.8	+1.0 / -1.0	+1.2 / -1.2
Angularity dimensional tolerance	EN 15283-1	mm per m board width	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5
Water vapour resistance factor μ dry	EN ISO 10456	–	10	10	10	10	10
Water vapour resistance factor μ wet	EN ISO 10456	–	4	4	4	4	4
Thermal conductivity λ	EN ISO 10456	W/(m·K)	0.23	0.23	0.23	0.23	0.23
Shrinkage and expansion per 1 % change of relative air humidity	–	mm/m	0.005 – 0.008	0.005 – 0.008	0.005 – 0.008	0.005 – 0.008	0.005 – 0.008
Shrinkage and expansion per 1 Kelvin change of temperature	–	mm/m	0.013 – 0.020	0.013 – 0.020	0.013 – 0.020	0.013 – 0.020	0.013 – 0.020
Flexural breaking load							
■ Longitudinal direction	EN 15283-1	N	≥ 538	≥ 645	≥ 860	≥ 1075	≥ 1290
■ Transverse direction	EN 15283-1	N	≥ 210	≥ 252	≥ 336	≥ 420	≥ 504
Bending radius (dry bending)	–	m	≥ 4	≥ 7	≥ 10	–	–
Max. limit for long term temperature exposure	–	°C	≤ 50	≤ 50	≤ 50	≤ 50	≤ 50
Arc behaviour number	DIN VDE 0303-5	LV	1.1.1.2	1.1.1.2	1.1.1.2	1.1.1.2	1.1.1.2

Product range

Description	Width	Length	Thickness	Board edges	Delivery weight	Packaging unit	Material number	EAN
Fireboard 12.5	1250 mm	2000 mm	12.5 mm	VK SSK	approx. 11.4 kg/m ²	50 pieces / pallet 125 m ² / pallet	00052457	4003982155313
Fireboard 15	1250 mm	2000 mm	15 mm	VK SSK	approx. 12.7 kg/m ²	40 pieces / pallet 100 m ² / pallet	00002906	4003982001627
		Customized length				–	00046710	4003982302038
Fireboard 20	1250 mm	2000 mm	20 mm	VK SSK	approx. 16.4 kg/m ²	30 pieces / pallet 75 m ² / pallet	00002908	4003982001634
		Customized length				–	00047677	4003982302076
Fireboard 25	1250 mm	2000 mm	25 mm	VK SSK	approx. 20.4 kg/m ²	24 pieces / pallet 60 m ² / pallet	00002907	4003982001641
		Customized length				–	00047676	4003982302069
Fireboard 30	1250 mm	2000 mm	30 mm	VK SSK	approx. 25.2 kg/m ²	20 pieces / pallet 50 m ² / pallet	00002909	4003982001658

VK = full longitudinal edge

SSK = front cut square edge

Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
Complies with the requirements of the French emission class	–	A+
LEED requirements (v4.1 BETA outside the USA)	–	fulfilled
Requirements BREEAM International (New Construction v2.0)	–	Exemplary Level



Observe safety data sheet!

For safety data sheets and CE marking see
pd.knauf.de



Videos for Knauf systems and products can be found under the following link:
www.youtube.com/knauf



The iPad App Knauf Infothek now provides all the current information and documents from Knauf Gips KG at any time and in every location in a clear and comfortable way.
Knauf Infothek

Knauf Direct

Technical Advisory Service:

▶ knauf-direkt@knauf.de

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

All technical changes reserved. Only the current printed instructions are valid. The stated information represents current state-of-the-art Knauf technology. The entire state of approved engineering rules, appropriate standards, guidelines, and rules of craftsmanship are not included herewith. These and all application instructions have to be adhered to separately by the installer. Our warranty is expressly limited to our products in flawless condition. All application quantities and delivery amounts are based on empirical data that are not easily transferable to other deviating areas.

All rights reserved. All amendments, reprints and photocopies, including those of excerpts, require our expressed permission.