

Drywall Systems

K7501_DSP.de

Fireboard

Special gypsum board A1 for premium fire protection in drywalling

Product Data Sheet

2025-12



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
- Surface fleece colour
- 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 to work and apply
- Low expansion and shrinkage when climate conditions change
- Arc resistant

Field of application

Knauf Fireboard 12.5 is the solution for sophisticated cladding in drywall systems with demands on the fire resistance. The bonded water of crystallisation in gypsum that turns to steam in the event of fire effectively cools the construction.

The scope of application covers various systems, including steel beam and steel column encasements, encasement of wooden columns and wooden beams, ceiling lining and suspended ceilings, self-supporting ceilings, the Knauf Cubo room-in-room system and Installation Shaft Walls.

Application

Application

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

Application of a full surface 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.

Note	For joint refer to the product data sheet Fireboard Spachtel filler K466.de .
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Technical data

Description	Fireboard	Unit	Standard
Board type European	Type GM-F	–	EN 15283-1
Reaction to fire	A1	Category	EN 13501-1
Width dimensional tolerance	+0 / -4	mm	EN 15283-1
Length dimensional tolerance	+0 / -5	mm	EN 15283-1
Thickness dimensional tolerance, board thickness 12.5 and 15 mm	+0.7 / -0.7	mm	EN 15283-1
Thickness dimensional tolerance, board thickness 20 mm	+0.8 / -0.8	mm	EN 15283-1
Thickness dimensional tolerance, board thickness 25 mm	+1.0 / -1.0	mm	EN 15283-1
Thickness dimensional tolerance, board thickness 30 mm	+1.2 / -1.2	mm	EN 15283-1
Angularity dimensional tolerance	≤ 2.5	mm per m board width	EN 15283-1
Thermal conductivity λ	0.23	W/(m·K)	EN ISO 10456
Long term temperature exposure (max. limit)	≤ 50	°C	–
Density	≥ 780	kg/m ³	–
Flexural breaking load longitudinal direction, board thickness 12.5 mm	≥ 538	N	EN 15283-1
Flexural breaking load transverse direction, board thickness 12.5 mm	≥ 210	N	EN 15283-1
Flexural breaking load longitudinal direction, board thickness 15 mm	≥ 645	N	EN 15283-1
Flexural breaking load transverse direction, board thickness 15 mm	≥ 252	N	EN 15283-1
Flexural breaking load longitudinal direction, board thickness 20 mm	≥ 860	N	EN 15283-1
Flexural breaking load transverse direction, board thickness 20 mm	≥ 336	N	EN 15283-1
Flexural breaking load longitudinal direction, board thickness 25 mm	≥ 1075	N	EN 15283-1
Flexural breaking load transverse direction, board thickness 25 mm	≥ 420	N	EN 15283-1
Flexural breaking load longitudinal direction, board thickness 30 mm	≥ 1290	N	EN 15283-1
Flexural breaking load transverse direction, board thickness 30 mm	≥ 504	N	EN 15283-1
Water vapour resistance factor μ dry	10	–	EN ISO 10456
Water vapour resistance factor μ wet	4	–	EN ISO 10456
Bending radius dry, board thickness 12.5 mm	≥ 4000	mm	–
Bending radius dry, board thickness 15 mm	≥ 7000	mm	–
Bending radius dry, board thickness 20 mm	≥ 10000	mm	–
Bending radius dry, board thickness 25 mm	≥ 25000	mm	–
Bending radius dry, board thickness 30 mm	≥ 50000	mm	–
Arc behaviour number	1.1.1.2	LV	DIN VDE 0303-5
Field of application	Interior	–	–

Product variants

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

VK = Full square edge

SSK = Front cut square edge

Sustainability and environment

Short description	Comment	Value	Unit
AgBB scheme	Version 2021	fulfilled	–
French emissions class	Version modified in 2012	A+	–
EPD Environmental Product Declaration	–	EPD-KNA-20250175-IBA1-EN	–
eurofins	Indoor Air Comfort Gold®	fulfilled	–
DGNB New building Version 2018	ENV 1.2	Not relevant for evaluation	–
DGNB New building Version 2023	ENV 1.2	Not relevant for evaluation	–
QNG Version 2023	Annex 3.1.3	Not relevant for evaluation	–
BNB-BN New building Version 2015	Criterion 1.1.6	Not relevant for evaluation	–
BREEAM New Construction	International New Construction v2.0 2016 (HEA / Indoor Air Quality)	Exemplary Level	–
LEED	v4.1 BETA 2021 (Low-Emitting Materials)	fulfilled	–
SVHC	Substances of very high concern acc. to REACH ≤ 0.1 percent by mass.	fulfilled	–



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youtube.com/knauf



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