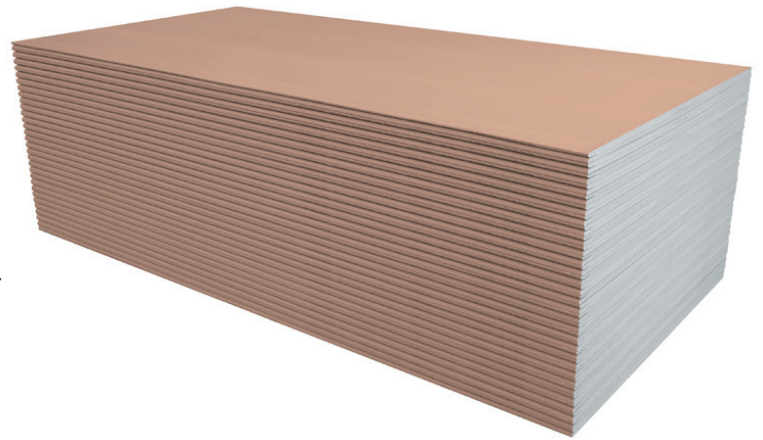


Knauf Brown

Gypsum board for floor

Technical data sheet

05/2025



Product description

Knauf Brown is especially durable gypsum board for floors with increased core strength.

Colour of board liner – brown.

Rear side marking – red.

Long edges with paper lining – VK (tapered).

Front edges – SK (cutted).

Board type

EN 520: DFIR

DIN 18180: GKF

Storage

Store boards on wooden pallets in a dry environment.

Quality

In compliance with EN 520, the product is subject to initial type testing and continuous factory production control and is marked with the CE marking.

Properties

- Robust surface
- High impact sound insulation
- Low expansion and shrinkage when climate conditions change
- Non-combustible
- Easy application

Application

Knauf Brown is gypsum board for floors Knauf pre-fab floor screed consist of two layers of special gypsum board with high strength that are glued and stapled to each other on site.

Knauf Brown is suitable for:

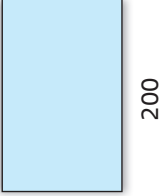

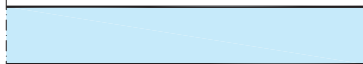
- Rooms and halls in residential buildings, hospital wards, hotel rooms including their kitchens and bathrooms
- Halls in office buildings, offices, surgeries w/o heavy equipment, station waiting rooms, recreation rooms including halls, salesroom areas up to 50 m², ground floor areas in residential buildings, office buildings and similar facilities

Suitable for:

- Underfloor heating
- Chair roll resistance with ≥ 2 mm Knauf N 4.10
- Pre-fabricated parquet flooring and mosaic parquet flooring
- Carpets, PVC and linoleum
- Parquet flooring on insulation layer
- Tiles, max. 330 mm x 330 mm

For indoor use.

Technical data

<p>Dimensions (mm)</p>  <p>900</p> <p>200</p> <p>Edge types</p> <ul style="list-style-type: none"> - long edges: VK (tapered)  <ul style="list-style-type: none"> - front edges: SK (cutted)  <p>Dimension tolerances (EN 520)</p> <ul style="list-style-type: none"> - Thickness: +0,5/-0,5 mm - Width: +0/-4 mm - Length: +0/-5 mm - Angularity: ≤ 2,5 mm per m board width 	Board type:		GKF DFIR	DIN 18180 EN 520
	Reaction to fire EN 13501-1:		A2-s1,d0 (B)	EN 520
	Water vapour diffusion resistance μ			EN ISO 10456
	Dry:		10	
	Wet:		4	
	Thermal conductivity λ :	W/(m·K)	0,25	
	Shrinkage and expansion per 1 % change of relative air humidity: per 1 Kelvin change of temperature:	mm/m mm/m	0,005–0,008 0,013–0,02	
	Density:	kg/m ³	≥ 960	DIN 18180
	Board weigh:	kg/m ²	≥ 12	
	Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads)			EN 1995-1-1
- Longitudinal direction:	N/mm ²	≥ 8,1		
- Transverse direction	N/mm ²	≥ 3,3		
Flexural breaking load			EN 520	
- Longitudinal direction:	N	≥ 725		
- Transverse direction:	N	≥ 300		
Max. limit for long term temperature exposure:	°C	≤ 50 (short term ≤ 60)		

Notes	Application Application should be done acc. to the applicable standards and acc. to the Knauf Technical Data Sheets of the respective drywall system.
	Safety instructions and disposal See Safety Data Sheet.

Product range

Name	Size of the gypsum board			Edge type	Package pcs./palette	Art. Nr.	EAN code
	Width mm	Length mm	Thickness mm				
Knauf Brown	900	2000	12,5	VK	60	00136706	4750614001707

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All technical changes reserved. Our warranty is expressly limited to our products in flawless condition. All application quantities and delivery amounts are based on empirical data that is not directly transferable to other individual cases. Indicated values do not dismiss the buyer/seller from the responsibility to test the product for its intended application.

The characteristic building physics, statical and structural properties of Knauf systems can solely be ensured with the exclusive use of Knauf system components, or other products expressly recommended by Knauf.

Manufacturer: SIA Knauf