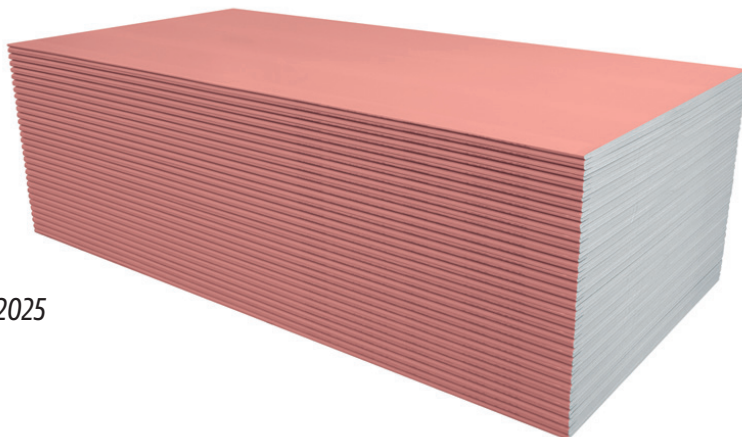


Knauf Red

Fire-resistant gypsum board

Technical data sheet

05/2025



Product description

Knauf Red is special fire-resistant gypsum board with increased core strength.

Colour of board liner – red.

Rear side marking – red.

Long edges with paper lining – HRAK, AK (tapered).

Front edges – SK (cutted).

Board type

EN 520: DF

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

- Good coherence of structure when exposed to fire
- Easy application
- Non-combustible
- Can be folded by mitring
- Low expansion and shrinkage when climate conditions change

Application

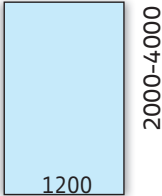
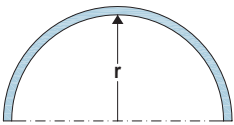
Knauf Red fire-resistant boards are used in all fields of interior works as cost-effective cladding of drywall systems with enhanced fire protection.

For indoor use.

Systems:

- Ceiling linings and suspended ceilings
- Attic linings
- Metal stud partitions
- Wood frame partitions
- Structural wood frame wall panels (load bearing)
- Installation shaft walls

Technical data

		Board type:		GKF DF	DIN 18180 EN 520
Dimensions (mm)		Reaction to fire EN 13501-1:		A2-s1,d0 (B)	EN 520
		Water vapour diffusion resistance μ Dry: Wet:		10 4	EN ISO 10456
		Thermal conductivity λ :	W/(m·K)	0,25	
Edge types - long edges: HRAK (tapered)  or AK (tapered)  - front edges: SK (cutted) 		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	≥ 800	DIN 18180
Dimension tolerances (EN 520) - Thickness: +0,5/-0,5 mm - Width: +0/-4 mm - Lenght: +0/-5 mm - Angularity: ≤ 2,5 mm per m board width		Board weigh: 12,5mm 15,0 mm	kg/m ² kg/m ²	≥ 10 ≥ 12	
		Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads):	N/mm ²	≥ 5,5	
Minimum bending radius <u>Knauf Blue 12,5 mm board</u> - Dry bending: $r \geq 2750$ mm - Wet bending: $r \geq 1000$ mm 		Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads)			EN 1995-1-1
		Board thickness 12,5 mm - Longitudinal direction: - Transverse direction:	N/mm ² N/mm ²	≥ 6,1 ≥ 2,3	
		Board thickness 15 mm - Longitudinal direction: - Transverse direction:	N/mm ² N/mm ²	≥ 5 ≥ 1,9	
		Average E modulus E_{mean} (for out of plane loads) - Longitudinal direction: - Transverse direction:	N/mm ² N/mm ²	≥ 2800 ≥ 2200	
		Flexural breaking load			DIN 18180
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.	Board thickness 12,5 mm - Longitudinal direction: - Transverse direction:	N N	≥ 610 ≥ 210	
		Board thickness 15 mm - Longitudinal direction: - Transverse direction:	N N	≥ 735 ≥ 250	
		Max. limit for long term temperature exposure:	°C	≤ 50 (short term ≤ 60)	

Product range

Name	Size of the gypsum board			Edge type	Package pcs./palette	Art. Nr.	EAN code
	Width mm	Length mm	Thickness mm				
Knauf Red	1200	2600	12,5	HRAK	60	00260327	4750614001172
	1200	3000	12,5	HRAK	60	00066307	5413503004997
	1200	2000/4000*	12,5	HRAK	-	00043051	9002943030688
	1200	2600	15	AK	50	00068305	5907651692040
	1200	3000	15	AK	50	00097341	5413503005161
	1200	2000/3000*	15	AK	-	00043070	9002943030954

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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