



## Knauf Red Fire-resistant gypsum plasterboard

### Material

Knauf Red is special fire-resistant gypsum plasterboard 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.

### Dimensions

12,5 x 1200 x 2600 mm (HRAK)	art. No. 260327
12,5 x 1200 x 3000 mm (HRAK)	art. No. 66307
12,5 x 1200 x 2000/4000*	art. No. 43051
15 x 1200 x 2600 mm (AK)	art. No. 68305
15 x 1200 x 3000 mm	art. No. 97341
15 x 1200 x 2000/3000* mm	art. No. 43070

\* Customized lengths – to order

### 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:

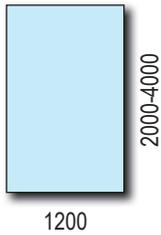
- Ceiling linings and suspended ceilings
- Attic linings
- Metal stud partitions
- Wood frame partitions
- Structural wood frame wall panels (load bearing)
- Installation shaft walls

### 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

### Technical data

#### ■ Dimensions (mm)



#### ■ Edge types

- long edges:

**HRAK** (tapered)



or

**AK** (tapered)



- front edges:

**SK** (cutted)



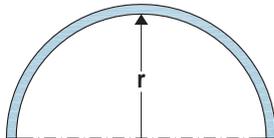
#### ■ Dimensional tolerances (EN 520)

- Thickness: +0,5/-0,5 mm
- Width: +0/-4 mm
- Length: +0/-5 mm
- Angularity: ≤ 2,5 mm per m board width

#### ■ Minimum bending radius

Board thickness 12,5 mm

- Dry bending:  $r \geq 2750$  mm
- Wet bending:  $r \geq 1000$  mm



Board type:	GKF DF	DIN 18180 EN 520
Reaction to fire EN 13501-1:	A2-s1,d0 (B)	EN 520
Water vapour diffusion resistance $\mu$		EN ISO 10456
■ Dry:	10	
■ Wet:	4	
Thermal conductivity $\lambda$ :	W/(m·K) 0,25	EN ISO 10456
Shrinkage and expansion		
■ per 1 % change of relative air humidity:	mm/m 0,005–0,008	
■ per 1 Kelvin change of temperature:	mm/m 0,013–0,02	
Density:	kg/m <sup>3</sup> ≥ 800	DIN 18180
Board weigh:		DIN 18180
12,5 mm	kg/m <sup>2</sup> ≥ 10	
15,0 mm	kg/m <sup>2</sup> ≥ 12	
Characteristic compressive strength $f_{c,90,k}$	N/mm <sup>2</sup> ≥ 5,5	EN 1995-1-1
(for out of plane loads):		
Characteristic bending tensile strength $f_{m,k}$		EN 1995-1-1
(for out of plane loads)		
■ Board thickness 12,5 mm:		
- Longitudinal direction:	N/mm <sup>2</sup> ≥ 6,1	
- Transverse direction:	N/mm <sup>2</sup> ≥ 2,3	
■ Board thickness 15 mm:		
- Longitudinal direction:	N/mm <sup>2</sup> ≥ 5	
- Transverse direction:	N/mm <sup>2</sup> ≥ 1,9	
Average E modulus $E_{mean}$		EN 1995-1-1
(for out of plane loads)		
- Longitudinal direction:	N/mm <sup>2</sup> ≥ 2800	
- Transverse direction:	N/mm <sup>2</sup> ≥ 2200	
Flexural breaking load		DIN 18180
■ Board thickness 12,5 mm:		
- Longitudinal direction:	N ≥ 610	
- Transverse direction:	N ≥ 210	
■ Board thickness 15 mm		DIN 18180
- Longitudinal direction:	N ≥ 735	
- Transverse direction:	N ≥ 250	
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.

Knauf info centre:

+371 67 032 999

info@knauf.lv

www.knauf.lv

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.

SIA Knauf, Daugavas Street 4, Sauriesi, Stopini district, LV-2118, Latvia.

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.