

Knauf Wallboard

The economic gypsum board GKB for basic drywall systems

Product description

- Board type
DIN 18180: GKB
EN 520: A
- Colour of board liner: grey
- Rear side marking: blue

Order information

Board thickness 9.5 mm

- 2000x1250 mm Material no. 00002881
- 2500x1250 mm Material no. 00002882

Board thickness 12.5 mm

- 2000x1250 mm Material no. 00002884
- 2500x1250 mm Material no. 00002885
- 2600x1250 mm Material no. 00002886
- 2750x1250 mm Material no. 00002887
- 3000x1250 mm Material no. 00002888

Customized lengths on request

Storage

On wooden pallets in a dry environment

Fields of application

Knauf Wallboards are used in all fields of interior works as economic cladding of drywall systems without special requirements.

Systems:

- Ceiling linings and suspended ceilings
- Attic linings
- Metal stud partitions
- Wood stud partitions
- Structural wood frame wall panels
- Furrings
- Dry lining

Properties and added value

- Easy application
- Non-combustible
- Bending is possible
- Folding with mitring is possible
- Low expansion and shrinkage when climate conditions change

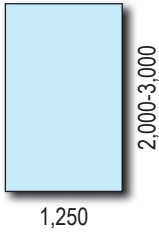
K711B Knauf Wallboard

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Technical data

■ Board dimensions (in mm):



■ Edge types

- Long edges with paper lining:

HRAK



- Front edges:

SK



■ Dimension tolerances acc. to EN 520:

- Width: +0 / -4 mm
- Length: +0 / -5 mm
- Thickness: +0.5 / -0.5 mm
- Angularity: ≤ 2.5 mm per m board width

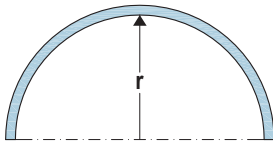
■ Minimum bending radii

Board thickness 9.5 mm

- Dry bending: $r \geq 2,000$ mm
- Wet bending: $r \geq 500$ mm

Board thickness 12.5 mm

- Dry bending: $r \geq 2,750$ mm
- Wet bending: $r \geq 1,000$ mm



Board type:	GKB	DIN 18180
	A	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) 0.21	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 ³ ≥ 680	DIN 18180
Board weights		DIN 18180
■ Board thickness 9.5 mm:	kg/m ² ≥ 6.5	
■ Board thickness 12.5 mm:	kg/m ² ≥ 8.5	
Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads):	N/mm ² ≥ 3.5	DIN 1052
Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads):		DIN 1052
■ Board thickness 12.5 mm		
- Longitudinal direction:	N/mm ² ≥ 6.5	
- Transverse direction:	N/mm ² 2.0	
Average E modulus E_{mean} (for out of plane loads):		DIN 1052
■ Longitudinal direction:	N/mm ² ≥ 2,800	
■ Transverse direction:	N/mm ² ≥ 2,200	
Flexural breaking load		DIN 18180
■ Board thickness 9.5 mm:		
- Longitudinal direction:	N ≥ 409	
- Transverse direction:	N ≥ 160	
■ Board thickness 12.5 mm:		
- Longitudinal direction:	N ≥ 610	
- Transverse direction:	N ≥ 210	
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.

Disposal

Waste code number (AVV code):

17 08 02

17 09 04

Knauf Direct

Technical Advisory Service:

▶ Phone: +49 9001 31-1000 *

▶ Fax: +49 1805 31-4000 **

▶ www.knauf.de

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* Call rates to Knauf Direct from within the German landline network: 0.39 € per Min., Callers whose phone numbers are not registered in the Knauf address database, e. g. private builders or non-patrons are charged 1.69 €/Min. Calls from mobile phones may differ and will be charged acc. to net provider and call rate.

** Fax: 0.14 €/Min. within the German landline network

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