

## Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



# K711B.de

GKB - DIN 18180 A - EN 520

Drywall Systems

2013-08

# Knauf Wallboard GKB

The economic gypsum board 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 GKB 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

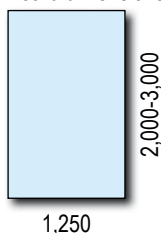
# K711B.de Knauf Wallboard GKB

The economic gypsum board for basic drywall systems



## 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

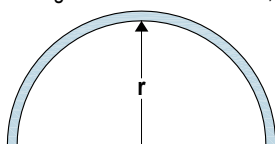
### ■ Minimum bending radii

#### 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 $\mu$ :		EN ISO 10456
■ Dry	10	
■ Wet	4	
Thermal conductivity $\lambda$ :	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 <sup>3</sup> ≥ 680	DIN 18180
Board weights		DIN 18180
■ Board thickness 9.5 mm:	kg/m <sup>2</sup> ≥ 6.5	
■ Board thickness 12.5 mm:	kg/m <sup>2</sup> ≥ 8.5	
Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads):	N/mm <sup>2</sup> ≥ 3.5	DIN EN 1995-1-1 NA
Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads):		DIN EN 1995-1-1 NA
■ Board thickness 12.5 mm		
- Longitudinal direction:	N/mm <sup>2</sup> ≥ 6.5	
- Transverse direction:	N/mm <sup>2</sup> 2.0	
Average E modulus $E_{mean}$ (for out of plane loads):		DIN EN 1995-1-1 NA
■ Longitudinal direction:	N/mm <sup>2</sup> ≥ 2,800	
■ Transverse direction:	N/mm <sup>2</sup> ≥ 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.

### Safety instructions and disposal

See Safety Data Sheet.

### 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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