

## Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product 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.



## Drywall Systems

# K711A.de

Product Data Sheet

2020-02



# DIY Board GKB

Easy to handle gypsum board for drylining and basis systems in drywalling

## Product description

- Board type  
DIN 18180  
EN 520
- Colour of board liner
- Reverse side marking

## Storage

Store boards on board 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 bears the CE marking.

## Properties and added value

- Convenient format
- Simple and fast one man installation
- Non-combustible

GKB  
A  
grey  
blue

- Bendable
- Folding with mitring is possible
- Low expansion and shrinkage when climate conditions change

## Field of application

DIY Board GKB is used in all fields of interior works as cladding for drywall systems without any particular requirements. The DIY Board GKB is suitable for this purpose due to its narrow format and is also ideal as drylining.

Suitable for the following systems:

- Ceiling linings and suspended ceilings (board thickness 12.5 mm)
- Attic lining (board thickness 12.5 mm)
- Stud partitions (board thickness 12.5 mm)
- Supplementary cladding in renovations
- Dry lining

## Application

### Application

Application should be undertaken in accordance to the applicable standards and acc. to the relevant Knauf system data sheets for drywall systems.

### Technical data

Description	Standard	Unit	Value
Board type Germany	DIN 18180	–	GKB
Board type European	EN 520	–	A
Reaction to fire EN 13501-1	EN 520	Class	A2-s1, d0 (B)
Long edge design	–	–	Half-rounded edge (HRK)
Front edge design	–	–	Cut square edge (SK)
Width dimensional tolerance	EN 520	mm	+0 / -4
Length dimensional tolerance	EN 520	mm	+0 / -5
Thickness dimensional tolerance	EN 520	mm	+0.5 / -0.5
Angularity dimensional tolerance	EN 520	mm per m board width	≤ 2.5
Thermal conductivity $\lambda$	EN ISO 10456	W/(m·K)	approx. 0.21
Water vapour resistance factor $\mu$ , dry	EN ISO 10456	–	10
Water vapour resistance factor $\mu$ , wet	EN ISO 10456	–	4
Shrinkage and expansion per 1 % change of relative air humidity	–	mm/m	0.005 – 0.008
Shrinkage and expansion per 1 Kelvin change of temperature	–	mm/m	0.013 – 0.020
Long term temperature exposure (max. limit)	–	°C	≤ 50
Density	–	kg/m <sup>3</sup>	≥ 680
Board weight, board thickness 9.5 mm	DIN 18180	kg/m <sup>2</sup>	≥ 6.5
Board weight, board thickness 12.5 mm	DIN 18180	kg/m <sup>2</sup>	≥ 8.5
Flexural breaking load longitudinal direction, board thickness 9.5 mm	DIN 18180	N	≥ 409
Flexural breaking load longitudinal direction, board thickness 12.5 mm	DIN 18180	N	≥ 610
Flexural breaking load transverse direction, board thickness 9.5 mm	DIN 18180	N	≥ 160
Flexural breaking load transverse direction, board thickness 12.5 mm	DIN 18180	N	≥ 210
Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads), board thickness 12.5 mm	EN 1995-1-1/NA	N/mm <sup>2</sup>	≥ 3.5
Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads) longitudinal direction, board thickness 12.5 mm	EN 1995-1-1/NA	N/mm <sup>2</sup>	≥ 6.5
Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads) load transverse direction, board thickness 12.5 mm	EN 1995-1-1/NA	N/mm <sup>2</sup>	2.0
Mean E modulus $E_{mean}$ (for out of plane loads) longitudinal direction, board thickness 12.5 mm	EN 1995-1-1/NA	N/mm <sup>2</sup>	≥ 2800
Mean E modulus $E_{mean}$ (for out of plane loads) load transverse direction, board thickness 12.5 mm	EN 1995-1-1/NA	N/mm <sup>2</sup>	≥ 2200
Permissible bending radius, dry bending, board thickness 9.5 mm	–	m	≥ 2
Permissible bending radius, wet bending, board thickness 9.5 mm	–	m	≥ 0.5
Permissible bending radius, dry bending, board thickness 12.5 mm	–	m	≥ 2.75
Permissible bending radius, wet bending, board thickness 12.5 mm	–	m	≥ 1

Product range

Description	Width mm	Length mm	Thickness mm	Delivery weight kg/m <sup>2</sup>	Packaging unit	Material number	EAN
DIY Board GKB 9.5 mm	600	2600	9.5	7.5	80 pieces / pallet	00002931	4006379018673
	600	Customized length	9.5	7.5	–	00007509	4003982301963
DIY Board GKB 12.5 mm	600	2000	12.5	8.6	60 pieces / pallet	00009902	4003982142016
	600	2600	12.5	8.6	60 pieces / pallet	00002933	4006379029587
	600	Customized length	12.5	8.6	–	00007511	4003982462541

Sustainability and environment

Short description	Unit	Value
The requirements of the German AgBB-scheme are fulfilled	–	fulfilled
Complies with the requirements of the French emission class	–	A+
Recycling share post-consumer	%	approx. 5
Recycling share pre-consumer	%	approx. 40
Origin of resources (Ø transportation distance) 50 %	km	approx. 30
Origin of resources (Ø transportation distance) 40 %	km	approx. 250
Environmental product declaration	EPD-KNA-20160140-IAG1-DE	



**Observe safety data sheets!**

For safety data sheets and CE marking see  
[pd.knauf.de](http://pd.knauf.de)



Videos for Knauf systems and products can be found under the following link:

[www.youtube.com/knauf](http://www.youtube.com/knauf)



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