

## 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

# K711B.de

Product Data Sheet

2020-02



# Wallboard GKB

Cost-effective gypsum board for basis systems in drywall construction

## 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

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

GKB  
A  
grey  
blue

## Field of application

Wallboard GKB is used in all fields of interior works as cost-effective cladding for drywall systems without any particular requirements.

Suitable for the following systems:

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

## 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) |
| 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<br>mm | Length<br>mm                                     | Thick-<br>ness<br>mm | Edges  | Delivery<br>weight<br>kg/m <sup>2</sup> | Packaging unit                                      | Material<br>number                                | EAN           |               |
|--------------------|-------------|--|----------------------|--|---|---|---|---------------|---------------|
| Wallboard GKB 9.5  | 2000        | 1250   | 9.5                  | Half-rounded tapered edge (HRAK),<br>front cut square edge (SSK) | 7.5                                     | 60 pieces / pallet<br>150 m <sup>2</sup> / pallet   | 00002881  | 4003982001788 |               |
|                    | 2500        | 1250   |                      |  |   | 60 pieces / pallet<br>187.5 m <sup>2</sup> / pallet | 00002882  | 4003982001764 |               |
|                    | –           | Customized length                                |                      |  |   | –   | 00007445  | 4003982156853 |               |
| Wallboard GKB 12.5 | 1250        | 2000   | 12.5                 | Half-rounded tapered edge (HRAK),<br>bevelled cut edge (SFK)     | 8.6                                     | 50 pieces / pallet<br>125 m <sup>2</sup> / pallet   | 00002884  | 4003982001368 |               |
|                    |             | 24 pieces / pallet<br>60 m <sup>2</sup> / pallet |                      |  |   | 00048496  | 4003982512437                                     |               |               |
|                    | 1250        | 2500   | 12.5                 | Half-rounded tapered edge (HRAK),<br>front cut square edge (SSK) | 8.6                                     | 50 pieces / pallet<br>156.2 m <sup>2</sup> / pallet | 00002885  | 4003982001375 |               |
|                    | 1250        | 2600   |                      |  |   | 50 pieces / pallet<br>162 m <sup>2</sup> / pallet   | 00002886  | 4003982001399 |               |
|                    | 1250        | 2750   | 12.5                 | Half-rounded tapered edge (HRAK),<br>front cut square edge (SSK) | 8.6                                     | 50 pieces / pallet<br>171.8 m <sup>2</sup> / pallet | 00002887  | 4003982001405 |               |
|                    | 1250        | 3000   |                      |  |   | 40 pieces / pallet<br>150 m <sup>2</sup> / pallet   | 00002888  | 4003982001412 |               |
|                    | –           | Customized length                                | 12.5                 | Tapered edge (AK),<br>front cut square edge (SSK)                | 8.6                                     | –   | 00007448  | 4003982179296 |               |
|                    | 1250        | 2000   |                      |  |   | 50 pieces / pallet<br>125 m <sup>2</sup> / pallet   | 00004787  | 4003982001894 |               |
|                    |             |  |                      |  |   |   | 24 pieces / pallet<br>60 m <sup>2</sup> / pallet  | 00048502      | 4003982302113 |
|                    |             |  |                      | Square edge (VK),<br>front cut square edge (SSK)                 |   |   | 50 pieces / pallet<br>125 m <sup>2</sup> / pallet | 00420661      | 4003982290335 |

**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. 25  |
| Origin of resources (Ø transportation distance) 70 %        | km                       | approx. 25  |
| Origin of resources (Ø transportation distance) 25 %        | 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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