

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

K713U.de

Product Data Sheet

2023-04



Universal Board GKF

Small gypsum board for basis systems in drywall construction

Product description

Universal boards GKF are small format gypsum board with 12.5 mm board thickness. The gypsum boards have a fibre-reinforced gypsum core for enhanced stability and fire resistance quality.

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

GKF
DF
grey
red

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

- Handy, slim format
- Simple and fast one man installation
- Non-combustible
- Good coherence of structure when exposed to fire
- Bendable
- Folding with mitring is possible

Field of application

Universal boards GKF are used in all areas of interior fitting as cladding for drywall systems. The easy to handle small format is especially suitable for construction in existing structures.

Suitable for the following systems:

- Ceiling linings and suspended ceilings
- Attic linings

Design

Application

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

Description	Standard	Unit	Universal Board GKF 12.5
Board type Germany	DIN 18180	–	GKF
Board type European	EN 520	–	DF
Reaction to fire	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 λ	EN ISO 10456	W/(m·K)	0.23
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 – 0.02
Long term temperature exposure (max. limit)	–	°C	≤ 50
Density	DIN 18180	kg/m ³	≥ 800
Flexural breaking load longitudinal direction	–	N	≥ 610
Flexural breaking load transverse direction	–	N	≥ 210
Board weight	–	kg/m ²	10
Water vapour resistance factor μ dry	EN ISO 10456	–	10
Water vapour resistance factor μ wet	EN ISO 10456	–	4
Bending radius dry	–	mm	≥ 2750
Bending radius wet	–	mm	≥ 1000
Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads)	EN 1995-1-1/NA	N/mm ²	≥ 5.5
Characteristic bending tensile strength $f_{m,k}$ longitudinal direction (for out of plane loads)	EN 1995-1-1/NA	N/mm ²	≥ 6.5
Characteristic bending tensile strength $f_{m,k}$ transverse direction (for out of plane loads)	EN 1995-1-1/NA	N/mm ²	≥ 2
Mean E modulus E_{mean} longitudinal direction (for out of plane loads)	EN 1995-1-1/NA	N/mm ²	≥ 2800
Mean E modulus E_{mean} transverse direction (for out of plane loads)	EN 1995-1-1/NA	N/mm ²	≥ 2200

Order information

Description	Width	Length	Thick-ness	Edges	Delivery weight	Packaging unit	Material number	EAN
Universal Board GKF 12.5	1000 mm	1500 mm	12.5 mm	SFK HRK	approx. 10 kg/m ²	72 pieces / pallet 108 m ² / pallet	00002934	4003982001160

SFK = bevelled cut edge

HRK = half-rounded edge

Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
Complies with the requirements of the French emission class	–	A+
LEED requirements	–	fulfilled
BREEAM requirements	–	Exemplary Level
Eurofins Indoor Air Comfort Gold®	–	fulfilled
Recycling share post-consumer	%	4
Environmental product declaration	–	EPD-BVG-20210343-IBE1-DE



Observe the safety data sheet!

For safety data sheets and CE marking see

pd.knauf.de



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

youtube.com/knauf



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