

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

K724.de

Product Data Sheet

2022-01



Horizonboard GKF

Gypsum Board with Four-Sided Tapered Edge for Premium Surfaces

Product description

Horizonboard GKF is a gypsum board with a circumferential four-sided tapered edge. The gypsum board has a fibre-reinforced gypsum core providing a higher stability and fire-resistance quality.

- Board type
 - DIN 18180
 - EN 14190
- Colour of board liner
- Rear side marking

GKF
A, B
grey
red

Storage

Store boards on board pallets in a dry environment.

Quality

In compliance with EN 14190, the product is subject to initial type testing and continuous factory production control and bears the CE marking

Properties and added value

- No cut edges, ensures level surfaces without protruding joints
- Tapered edges on entire perimeter
- High crack resistance
- Allows cross joint application on the ceiling
- Easy and faster installation
- Concave and convex bending is possible: Radii on request
- Fire-retardant gypsum wallboard GKF acc. to DIN 18180

Field of application

The four-sided tapered edge type is the prerequisite for jointing, resulting in a perfect surface with a high level of crack resistance. Knauf Horizon ceilings or wall systems with Horizonboard GKF cladding are thus the ideal system solution for premium visual appearance requirements.

The offset of the front edges, which is customary and generally required with Knauf Horizon systems, is unnecessary on the ceiling (application on cross joints).

Suitable for the following systems:

- Stud partitions, ceiling linings and suspended ceilings without fire resistance
- Stud partitions, ceiling linings and suspended ceilings with fire resistance: Application of the face side cover layer 12.5 mm GKF for multi-layer cladding with Horizonboard permissible.

Application

Installation

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

Grid

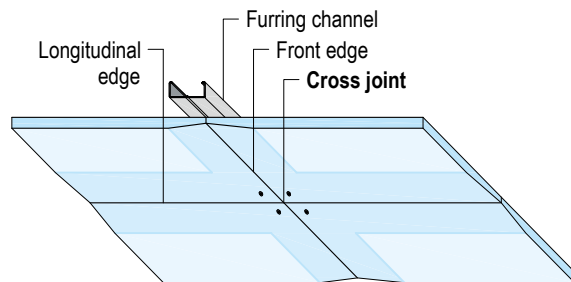
Knauf Horizon systems are installed in accordance with the details in the system data sheets with the exception of the special jointing as well as the cross joint application on the ceiling.

Cladding

Install gypsum boards on the ceiling lateral to the furring timber battens/ furring channels. In case of double-layer cladding, only the top layer is applied with Horizonboard GKF. The offset of the Knauf Horizonboard GKF to the gypsum boards of the first layer is undertaken with a half board width laterally and at least 400 mm lengthwise. The system variant must be observed here. The gypsum boards of the first top layer must have the same format as the Horizonboard GKF.

Screw fastening

Commence with the fixing of the Horizonboard GKF in the board centre or on the board corner to avoid sagging and buckling. When screw fixing Horizonboard GKF, push firmly onto the grid and attach using Drywall Screws TN. Information on the screw lengths and fastening spacings can be found in the Knauf system data sheet for the respective system.



Jointing

Jointing should be done in accordance to the applicable standards and codes of practice as well as acc. to the relevant Knauf system data sheets for filling compounds.

Note

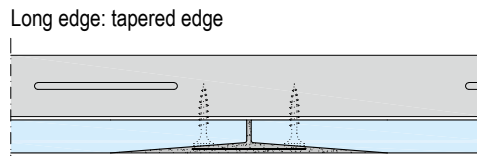
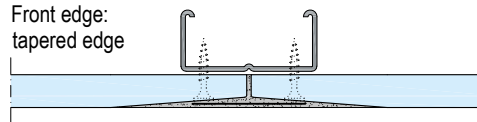
Skimming of the Horizonboard GKF in the required quality level acc. to the Code of Practice No. 2 "Verspachtelung von Gipsplatten, Oberflächengüten" issued by the Industriegruppe Gipsplatten (IGG) from the Bundesverband der Gipsindustrie e.V. (BVG) (German only).

Suitable filler compounds

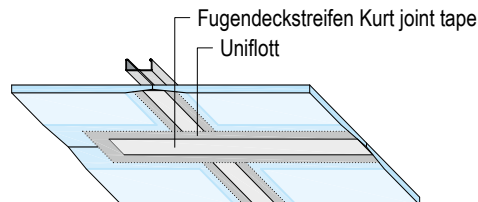
Recommended filler system: Uniflott with Fugendeckstreifen Kurt joint tape. Jointing of the long and front edges with Fugendeckstreifen Kurt joint tape. When joint filling with Uniflott and Fugendeckstreifen Kurt joint tape cross joint application, no offset for front edges necessary.

Jointing with Horizonboard

The four-sided edge type (tapered edge) is the prerequisite for jointing, resulting in a perfect surface with a high level of crack resistance. Knauf drywalling systems with cladding made of Horizonboard are thus the ideal system solution where there are premium optical appearance requirements.



Quality level Q1 (first joint filling stage on front and long edge)



Quality level Q2 (second joint filling stage on front and long edge)

- Preliminary jointing in acc. with quality level Q1
- Finishing (finishing compound) to achieve a smooth transition to the board surface, e.g. with Spritzspachtel Plus, Fill & Finish Light or Super Finish
- No application marks or ridges may remain visible. Sand off the areas concerned if necessary.

Quality level 3

- Jointing in acc. with quality level Q2
- Wide jointing of the joints as well as clean and accurate removal of the remaining board liner filling the pores, e.g. with Fill & Finish Light, Super Finish or Spritzspachtel Plus.
- If necessary, i.e. physical ridges and grooves are not acceptable and must be sanded if necessary.

Quality level (Q4)

- Jointing in acc. with quality level Q2
- Complete surface covering of skim coat and smoothing with a layer thickness of at least 1 mm, e.g. with Fill & Finish Light, Super Finish oder Spritzspachtel Plus

Application temperature / climate

Filling and covering of joints should only take place when no more longitudinal changes of the Horizonboard GKF can be expected, i.e. expansion or contraction due to humidity or temperature changes.

Do not apply filling at room or substrate temperatures below approx. +10 °C.

In case of mastic asphalt screed, cementitious screed and self-levelling screed, fill in gypsum board joints only after screed has been applied.

Note

Observe the Code of Practice no. 1 "Baustellenbedingungen" of the BVG (IGG) (German only).

Technical data

Description	Standard	Unit	Horizonboard GKF
Board type Germany	DIN 18180	–	GKF
Board type European	EN 14190	–	DF (procedures A, B)
Reaction to fire	EN 520	Class	A2-s1, d0
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
Water vapour resistance factor μ dry	EN ISO 10456	–	10
Water vapour resistance factor μ wet	EN ISO 10456	–	4
Thermal conductivity λ	EN ISO 10456	W/(m·K)	0.23
Density	–	kg/m ³	≥ 800
Board weight (nominal)	–	kg/m ²	Approx. 10.3

Product range

Description	Width	Length	Thickness	Delivery weight	Packaging unit	Material number	EAN
Horizonboard GKF 12.5	1250 mm	2000 mm	12.5 mm	approx. 10.3 kg/m ²	50 pieces / pallet 125 m ² / pallet	00208409	4003982216502
		Customized length	12.5 mm	approx. 10.3 kg/m ²	–	00208410	4003982216519

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 (v4.1 BETA outside the USA)	–	fulfilled
Requirement BREEAM International (New Construction v2.0)	–	Exemplary Level
Eurofins Indoor Air Comfort Gold®	–	fulfilled
Recycling share post-consumer	%	approx. 4
Environmental product declaration	–	EPD-KNA-20160144-IAG1-DE



Observe 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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