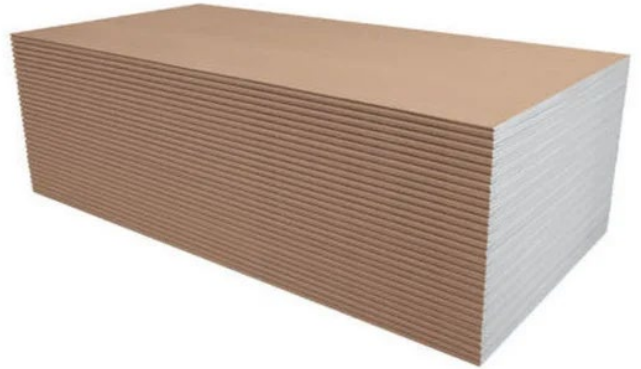


Knauf Hartplatte / KEK

Extra-durable plasterboard

Technical Data Sheet

03/2023



Material

Hartplatte / KEK is a particularly durable gypsum board with high surface hardness (with glass fiber additives). Special additives increase the board's flexibility for creating curved shapes with small radii in drywall constructions.

Plate type DIN 18180 GKF

EN 520 DFIR

- Plate color light brown
- Printing color red

Storage

In a dry place on wooden pallets. Protect from moisture.

Quality assurance

The product has been type tested in accordance with EN 520 requirements, continuous control of the production process is ensured. The product is CE marked. EPD (Environmental Product Declaration) has been received, in accordance with EN 15804+A1 and ISO 14025 requirements.

Application

Hartplatte / KEK gypsum boards are used in all types of dry construction systems solutions – in rooms with fire protection requirements, as well as special requirements regarding mechanical strength and sound insulation. Suitable for the interior construction of schools, sports halls and hospitals, any rooms where increased load is expected and impact-resistant cladding is required.

Systems:

- ceiling cladding,
- metal frame partitions,
- wood frame partitions,
- wood frame panels (load-bearing walls),
- shaft walls.
- For interior work

Features and benefits

- Universally applicable
- Higher walls can be built thanks to greater strength
- Increased load-bearing capacity of dowels
- Durable surface
- Non-combustible
- Good sound insulation
- Easy to process
- Can be bent dry and wet
- Minimal swelling or shrinkage due to climatic conditions
- For interior use

When fastening boards to metal or wooden structures, use Knauf hardboard screws

XTN and XTB. Boards can be fastened to wooden frames with nails or clamps.

The boards should be cut with a plaster knife and broken on the edge (using a batten), the edges should be smoothed with a Knauf grater and dusted.

Bending

Dry bending: $r \geq 2750$ mm, wet bending: $r \geq 1000$ mm.

Processing

Processing takes place in accordance with the relevant standards, as well as in accordance with the information provided in the relevant Knauf drywall system brochures.

Note

Filler can only be carried out if the room has conditions that comply with the Knauf board processing regulations – humidity level and temperature are within normal limits. During filler, the air and substrate temperature must be above +10 °C. In critical areas, paper joint tape should be used for optimal joint sealing.

Occupational safety and waste collection

Waste identification classes: 170802, 170904 (see material safety data sheet).

Technical data

Designation	Norm	Unit	Value / Size
Board type	DIN 18180-GKF	-	GKF
Board type	EN 520	-	DFIR
Fire reaction	EN 13501-1	Class	A2-s1, d0 (B)
Dimensional tolerance for width	EN 520	mm	+0 /-4
Dimensional tolerance for length	EN 520	mm	+0 /-5
Dimensional tolerance for thickness	EN 520	mm	+0,5 /-0,5
Deviation of the cut and original edges from a right angle	EN 520	mm per m of width	≤ 2,5
Thermal conductivity λ	LVS EN 12524	W/(m·K)	0,25
Water vapor diffusion coefficient μ, dry	LVS EN ISO 10456	-	10
Water vapor diffusion coefficient μ, wet	LVS EN ISO 10456	-	4
Deformation value per change in air humidity, %	-	mm/m	0,005–0,008
Deformation amount per temperature change, °K	-	mm/m	0,013–0,02
Hardness	EN 520	kg/m ³	≥ 800
Board weight	EN 520	kg/m ²	≥ 11,3
Bending radius, dry bending	-	mm	≥ 2750
Bending radius, wet bending	-	mm	≥ 725
Longitudinal destructive load	EN 520	N	≥ 1000
Transverse destructive load	EN 520	N	≥ 300
Surface hardness (indentation diameter)	LVS EN 520	mm	≤ 50 (temporarily ≤ 60) ≤ 15
Upper limit of long-term temperature effects	-	°C	

Delivery programme

Title	Width mm	Length mm	Thickness mm	Edge type	Packaging	Art. Nr.	EAN code
Hartplatte / KEK	1200	2600	12,5	AK SK	60 pcs. on the pallet 187.2 m2/pallet	00136705	4750614000656
	1200	3000	12,5	AK SK	60 pcs. on the pallet 216 m2/ pallet	00068372	5907651692279
	1200	2000/4000*	12,5	AK SK	-	00070938	-

SIA Knauf

Institūta iela 108, Saurieši,
Stopiņu pag., Ropažu nov., LV-
2118, Latvija

Phone

(+371) 67032999

www.knauf.com/lv-lv

SIA Knauf reserves the right to make technical changes. The warranty applies only to the flawless properties of the material. The material consumption, quantity and performance indicators are values obtained from experience, which cannot be applied to each individual case in a direct sense. The values given do not release the buyer/seller from checking the suitability of the product for the intended use. The publication is protected by copyright. Changes, reprints and copies, including excerpts, are only possible with the permission of SIA Knauf.

The structural, static and technical properties of Knauf systems can only be guaranteed if only Knauf system components or products recommended by Knauf are used.

Manufacturer: SIA Knauf