

Knauf Green Impregnated gypsum plasterboard

Material

Knauf Green have reduced water absorption properties.

Colour of board liner – green.

Rear side marking – blue.

Long edges with paper lining – HRAK, AK (tapered).

Front edges – SK (cutted).

Board type

EN 520: H2

DIN 18180: GKBI

Storage

Store boards on wooden 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 is marked with the CE marking.

Dimensions

12,5 x 1200 x 2000 mm (HRAK)	art. No. 66308
12,5 x 1200 x 2500 mm (HRAK)	art. No. 66309
12,5 x 1200 x 2600 mm (HRAK)	art. No. 66310
12,5 x 1200 x 2600 mm (AK)	art. No. 68366
12,5 x 1200 x 2700* mm (HRAK)	art. No. 266354
12,5 x 1200 x 3000 mm (HRAK)	art. No. 66311
12,5 x 1200 x 3000 mm (AK)	art. No. 68367
12,5 x 1200 x 2000/4000* mm (AK)	art. No. 44802
12,5 x 900 x 2000/3000* mm (AK)	art. No. 231149

* Customized lengths – to order

Application

Knauf Green are used in all fields of interior works as economic cladding of drywall systems in rooms with moderately high humidity.

For indoor use.

Systems:

- Ceiling linings and suspended ceilings
- Attic linings
- Metal stud partitions
- Wood frame partitions
- Structural wood frame wall panels
- Furrings

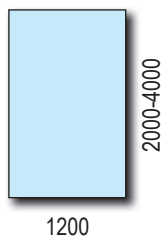
Rooms with moderately high humidity are rooms with a constant relative air humidity of $\leq 70\%$ (e.g. domestic bathrooms).

Properties

- Impregnated for reduced water absorption
- Easy application
- Non-combustible
- Bending is possible
- Folding with mitring is possible
- Low expansion and shrinkage when climate conditions change

Technical data

■ Dimensions (mm)



■ Edge types

- long edges:

HRAK (tapered)



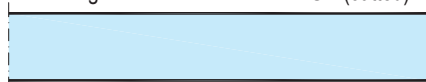
or

AK (tapered)



- front edges:

SK (cutted)



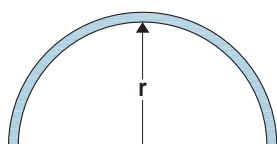
■ Dimensional tolerances (EN 520)

- Thickness: +0,5/-0,5 mm
- Width: +0/-4 mm
- Length: +0/-5 mm
- Angularity: ≤ 2,5 mm per m board width

■ Minimum bending radius

- Dry bending: $r \geq 2750$ mm
- Wet bending: $r \geq 1000$ mm

(Note extended residence time due to hydrophobic core)



Board type:	GKBI H2	DIN 18180 EN 520
Reaction to fire EN 13501-1:	A2-s1,d0 (B)	EN 520
Water vapour diffusion resistance μ		EN ISO 10456
■ Dry:	10	
■ Wet:	4	
Thermal conductivity λ :	W/(m·K)	0,21 EN ISO 10456
Shrinkage and expansion		
■ per 1 % change of relative air humidity:	mm/m	0,005–0,008
■ per 1 Kelvin change of temperature:	mm/m	0,013–0,02
Total water absorption:	%	≤ 10 EN 520
Density:	kg/m ³	≥ 680 DIN 18180
Board weigh:	kg/m ²	≥ 8,5 DIN 18180
Characteristic compressive strength $f_{c,90,k}$ (for out of plane loads):	N/mm ²	≥ 3,5 EN 1995-1-1
Characteristic bending tensile strength $f_{m,k}$ (for out of plane loads):		EN 1995-1-1
- Longitudinal direction:	N/mm ²	≥ 6,1
- Transverse direction:	N/mm ²	≥ 2,3
Average E modulus E_{mean} (for out of plane loads)		EN 1995-1-1
- Longitudinal direction:	N/mm ²	≥ 2800
- Transverse direction:	N/mm ²	≥ 2200
Flexural breaking load		DIN 18180
- Longitudinal direction:	N	≥ 610
- Transverse direction:	N	≥ 210
Max. limit for long term temperature exposure: °C		≤ 50 (short-term ≤ 60)

Notes

Application

Application should be done acc. to the applicable standards and acc. to the Knauf Technical Data Sheets of the respective drywall system.

Safety instructions and disposal

See Safety Data Sheet.

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The characteristic building physics, statical and structural properties of Knauf systems can solely be ensured with the exclusive use of Knauf system components, or other products expressly recommended by Knauf.

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