



GKBI - DIN 18180  
H3 - EN 520 / ISIRI 14818

Drywall Systems

2020-11

# K+ Gypsum Board GKBI (H3)

## K+ Moisture Resistant Gypsum Boards (MR - H3)

### Product description

- Board type  
DIN 18180: GKBI  
EN 520, ISIRI 14818: H3
- Colour of face: Green
- Colour of board liner: Grey
- Back and Rear side marking: Black

### Board Dimensions

Thickness :  
12.5 mm  
Width :  
1200 mm  
Length :  
2400 / 2500 / 2700 / 2800 / 3000 mm

### Products codes:

Refer to K Plus Pars Price List

### Storage

Boards, should be stored on wooden pallets in a dry environment. Keep out of direct sun light.

### Fields of application

K+ Moisture Resistant Gypsum Boards (MR - H3) are standard performance gypsum boards used as the cladding component of drywall constructions in low humid areas such as:

#### Systems:

- Partition systems
- Ceiling systems
- Lining systems
- Incasements (Without fire)

### Properties and added value

- Easy, fast and dry application
- Non-combustible
- Bending is possible
- Low expansion and shrinkage when climate conditions change
- Lightweight constructions
- Good sound insulation performance  
Hydrophobic boards impregnated against absorption of moisture
- Environmental friendly

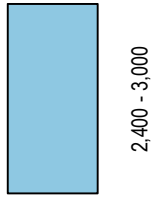
# K+ Gypsum Board GKBI (H3)

The moisture resistance (MR) board for basic drywall systems



## Technical data

### Board Format (in mm)



1,200

### Edge types

VK



AK



Technical Properties	9.5 mm	12.5 mm	15 mm	18 mm	Unit	Related standard
Type of board	GKBI					DIN 18180
	H3					EN 520 ISIRI 14818
Thermal conductivity ( $\lambda$ )	0.25				W/(m.k)	ISIRI 14818
Thermal resistance	-	0.05	-	-	(m <sup>2</sup> .k)/w	
Density	-	625	-	-	kg/m <sup>3</sup>	EN 520 / ISIRI 14818
Board weight	-	7.80	-	-	kg/m <sup>2</sup>	
Flexural breaking load	-	≥550	-	-	N	
–Longitudinal direction						
Water absorption	≤25				%	EN 520
Surface hardness	-	18	-	-	mm	
Width dimensional tolerance	+0 / -4 mm					
Lenght dimensional tolerance	+0 / -5 mm					
Thickness dimensional tolerance	+0.5 / -0.5 mm					
Angularity dimensional tolerance	≤ 2.5 mm per m board width					

## notes

K+ gypsum boards are manufactured from high quality gypsum, with a purity of not less than 95%. Stringent quality control procedures apply to the manufacturing process, in full compliance with BS EN ISO 9001:2000 and BS1230: Part 1: 1985

Fire Performance : K+ gypsum boards are designed as class O materials under the building regulations 1991, Approved document B. They also meet BS476: Part 6: 1989, with fire propagation index 1=12 and under BS476: Part 7: 1987, surface spread of flame, are designated Class 1.

Specific K+ Drywall Systems are fire tasted in accordance with BS476: Part 20: 1987.

Acoustic Performance : Specific K+ Drywall Systems are tested in full accordance with BS EN ISO 140-3:1995 and the values calculated in accordance with BS EN 717-1:1996.

**Vapor Performance :** Vapor check gypsum boards have been tasted in accordance with BS3177: 1959 and exceed the minimum requirement of 15MN s/g to meet this standard.

Please contact our sales department for inquiries about storage and packing.

**Kplus Direct:**  
Technical support Dept.  
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All technical changes reserved. Only the current printed instructions are valid. Our warranty is expressly limited to our products in flawless condition. All application quantities and delivery amounts are based on empirical data that are not easily transferable to other deviating areas. The stated information represents current state-of-the-art K+ technology. The entire state of approved engineering rules, appropriate standards, guidelines, and rules of craftsmanship are not included herewith. These and all application instructions have to be adhered to separately by the installer.

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