



GKBI - DIN 18180
H3 - EN 520 / ISIRI 14818

Drywall Systems

2022-05

Gypsum Board GKBI (H3)

Moisture Resistant Gypsum Boards (MR - H3)

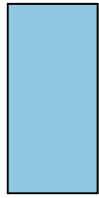
| Product description | Fields of application | Properties and added value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">Board type DIN 18180: GKBI EN 520, ISIRI 14818: H3Colour of face: GreenColour of board liner: GreyBack and Rear side marking: Black <p>Board Dimensions</p> <p>Thickness : 12.5 mm</p> <p>Width : 1200 mm</p> <p>Length : 2400 / 2500 / 2700 / 2800 / 3000 mm</p> <p>Products codes: Refer to K Plus Pars Price List</p> <p>Storage Boards, should be stored on wooden pallets in a dry environment. Keep out of direct sun light.</p> | <p>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:</p> <p><u>Systems:</u></p> <ul style="list-style-type: none">Partition systemsCeiling systemsLining systemsIncasements (Without fire) | <ul style="list-style-type: none">Easy, fast and dry applicationNon-combustibleBending is possibleLow expansion and shrinkage when climate conditions changeLightweight constructionsGood sound insulation performance <p>Hydrophobic boards impregnated against absorption of moisture</p> <ul style="list-style-type: none">Environmental friendly |

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 (λ) | 0.25 | | | | W/(m.k) | ISIRI 14818 |
| Thermal resistance | - | 0.05 | - | - | (m ² .k)/w | |
| Density | - | 625 | - | - | kg/m ³ | EN 520 / ISIRI 14818 |
| Board weight | - | 7.80 | - | - | kg/m ² | |
| 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

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 : 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 Drywall Systems are fire tested in accordance with BS476: Part 20: 1987.

Acoustic Performance : Specific 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 tested 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.

