

#### Note on English translation

This is a translation of the technical data sheet valid in Iran.

All stated details and properties are in compliance with the regulations of the Iran 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.

3t Plus Pars denies any liability for applications outside of Iran as this requires changes acc. to the respective national standards and building regulations.



GKB - DIN 18180  
A - EN 520 / ISIRI 14818

Drywall Systems

2020-11

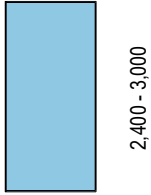


# Gypsum Board GKB

The regular gypsum (RG) board for basic drywall systems

Product description	Fields of application	Properties and added value
<ul style="list-style-type: none"><li>Board type DIN 18180: GKB EN 520 ISIRI 14818: A</li><li>Colour of face: ivory</li><li>Colour of board liner: Grey</li><li>Back and Rear side marking: black</li></ul> <p><b>Board Dimentions</b></p> <p>Thickness : 9.5 / 12.5 / 15 / 18 mm</p> <p>Width : 1200 mm</p> <p>Length : 2400 / 2500 / 2700 / 2800 / 3000 mm</p> <p><b>Products codes:</b> Refer to K Plus Pars Price List</p> <p><b>Storage</b> Boards, should be stored on wooden pallets in a dry environment.</p>	<p>K+ Gypsum boards GKB are used in all fields of interior works as economic cladding of drywall systems without special requirements.</p> <p><u>Systems:</u></p> <ul style="list-style-type: none"><li>Partition systems</li><li>Ceiling systems</li><li>Lining systems</li><li>Incasements (Without fire)</li></ul>	<ul style="list-style-type: none"><li>Easy application</li><li>Non-combustible</li><li>Bending is possible</li><li>Low expansion and shrinkage when climate conditions change</li></ul>

# Gypsum Board GKB

The regular gypsum (RG) board for basic drywall systems

Technical data							
Board Format (in mm)	Technical Properties				Unit	Related standard	
	9.5 mm	12.5 mm	15 mm	18 mm			
 1,200	GKB					DIN 18180	
	A					EN 520 ISIRI 14818	
<b>Edge types</b> VK  AK 	0.25				W/(m.k)	ISIRI 14818	
	Thermal resistance	0.04	0.05	0.06	0.07		(m <sup>2</sup> .k)/w
	Density	770	625	800	810	kg/m <sup>3</sup>	EN 520 / ISIRI 14818
	Board weight	7.30	7.80	12.00	14.60	kg/m <sup>2</sup>	
	Flexural breaking load	≥400	≥520	≥650	≥774	N	
	-Longitudinal direction						
	Water absorbtion	30 - 50				%	EN 520
	Surface hardness	-	19	-	-	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**

3tplus 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: 3tplus 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 3tplus Drywall Systems are fire tasted in accordance with BS476: Part 20: 1987.

Acoustic Performance: Specific 3tplus 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.

**3tplus Direct:**  
[Ceo.3tplus@gmail.com](mailto:Ceo.3tplus@gmail.com)  
[Info.3tplus@gmail.com](mailto:Info.3tplus@gmail.com)

**3tplus.com**

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.

All rights reserved. All amendments, reprints and photocopies, including those of excerpts, require the express permission of