



GKF - DIN 18180
F- EN 520 / ISIRI 14818

Drywall Systems

2022-05

Gypsum Board GKF

Fire Resistant Gypsum Boards (FR) are gypsum wallboards specially designed to offer superior fire resistance performance when used in drywall partitions, shaftwalls, ceilings and lining systems.

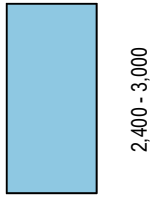
Product description	Fields of application	Properties and added value
<ul style="list-style-type: none"> Board type DIN 18180: GKF EN 520, ISIRI 14818: F Colour of face: Pink Colour of board liner: Grey Back and Rear side marking: Red/ black <p>Board Dimensions</p> <p>Thickness : 12.5 / 15 / 18 mm</p> <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.</p>	<p>Gypsum boards GKF are used in all fields of interior works as economic cladding of drywall systems in fire rated areas.</p> <p><u>Systems:</u></p> <ul style="list-style-type: none"> Fire rated partition systems Fire rated ceiling systems fire rated lining systems Incasements (with fire) <p>NOTE: Fire resistant gypsum boards are just part of a complete fire rated assembly. To achieve a certain fire rating on a drywall assembly, the complete system components from have to be used and the assembly must be installed according to installation guidelines.</p>	<ul style="list-style-type: none"> Easy, fast and dry application Non-combustible Bending is possible Low expansion and shrinkage when climate conditions change Lightweight constructions Good sound insulation performance High fire protection performance Contains glass fibre additives to maintain the integrity of board for longer time periods than standard boards when exposed to fire A material Environmental friendly

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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	GKF					DIN 18180
	F					EN 520 ISIRI 14818
Thermal conductivity (λ)	0.25				W/(m.k)	ISIRI 14818
Thermal resistance	-	0.05	0.06	0.07	(m ² .k)/w	
Density	-	810	800	810	kg/m ³	EN 520 / ISIRI 14818
Board weight	-	10.10	12.00	14.60	kg/m ²	
Flexural breaking load	-	≥550	≥650	≥774	N	
-Longitudinal direction						
Water absorption					%	
Surface hardness	-	16	-	-	mm	
Width dimensional tolerance	+0 / -4 mm					EN 520
Length 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 : 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 Drywall Systems are fire tested 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 tested in accordance with BS3177: 1959 and exceed the minimum requirement of 15MN s/g to meet this standard.

