

## Product data sheet

# Rigips Glasroc F 25



**Product description:** Glass reinforced gypsum board acc. to DIN EN 15238-1, type GM-FH2 with reduced water absorption and advanced core cohesion during high temperatures.

**Area of application:** For installation of high-quality and economical fire protection constructions e.g: Structural encasements, installation and cable ducts.

								
Hydrophobiert	Anwendung Feuchtraum	Anwendung Innenraum	Baustoffklasse	Gewicht	Plattendicke	Kanten	Stirnkantenverbindung	Wetterfeste Lagerung

## Technical specifications

Parameters	Sign	Value	Unit	Certification
<b>Material</b>				
Type of material		Gypsum board fleece-reinforced		
<b>Typesetting</b>				
Type		GM-FH2		EN 15283-1
<b>Building material class</b>				
Fire behaviour		A1		EN 13501-1
<b>Edges</b>				
Longitudinal edge		SK		
Transverse edge		SK		
<b>Dimensions</b>				
Thickness	t	25	mm	EN 15283-1
Width	w	1200	mm	EN 15283-1
Length	l	2000	mm	EN 15283-1

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Parameters	Sign	Value	Unit	Certification
<b>Tolerances</b>				
Thickness		+/- 1.0	mm	EN 15283-1
Width		+0/-3	mm	EN 15283-1
Length		+0/-3	mm	EN 15283-1
Perpendicularity: deviation per meter of width		≤ 2.5	mm/m	EN 15283-1
<b>Nominal Weight</b>				
Surface-related mass	≥	21.3	kg/m <sup>2</sup>	EN 15283-1
Bulk density	≥	850	kg/m <sup>3</sup>	EN 15283-1
<b>Characteristic strength values</b>				
Bending breaking load - in parallel direction of the board	≥	420	N	EN 15283-1
Bending fracture load - in transverse direction of the board	≥	1075	N	EN 15283-1
Arc Strength Extract		16 - 19	mm	DIN 53484
Arc Strength Step		L4		DIN 53484
<b>Heat</b>				
Thermal conductivity	$\lambda_R$	0.3	W/(m·K)	EN ISO 10456
Specific heat capacity	$c_p$	1.70	kJ/(kg·K)	
Thermal conductivity	$\lambda_{p,Pillar}$	0.20	W/(m·K)	
Thermal conductivity 200 m <sup>-1</sup> ≤ S/A < 300 m <sup>-1</sup>	$\lambda_{p,Beam}$	0.30	W/(m·K)	
Thermal conductivity 100 m <sup>-1</sup> ≤ S/A < 200 m <sup>-1</sup>	$\lambda_{p,Beam}$	0.25	W/(m·K)	
Thermal conductivity 40 m <sup>-1</sup> ≤ S/A < 100 m <sup>-1</sup>	$\lambda_{p,Beam}$	0.5-(0.3/100)x(S/A)	W/(m·K)	
Limit load by heat (long-term exposure)		max. 50 (at short until 60)	°C	Gypsum data book
<b>Humidity</b>				
(total) water absorption after 2 h storage under water		≤ 10	mass-%	Gypsum data book
Water vapour diffusion resistance factor	$\mu_{wet}$	4		EN ISO 10456
	$\mu_{dry}$	10		EN ISO 10456

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<b>Notes</b>				
Storage		Dry Flat and level Shady Air access		
Shelf Life		Unlimited		
Form of delivery		According to Pricelist		
Wast key		170802		

The values listed in this product data sheet only reflect the performance characteristics of the products. In addition, gypsum plaster systems have structural and structural properties, which can be found in our system documentation (e. g. Planen und Bauen).

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