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 tempeartures.

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

H2	✓	✓	**A1**	21,3 kg/m²	**25 mm**	**4SK**	✓	❄☀
Hydrophobiert	Anwendung Feuchtraum	Anwendung Innenraum	Baustoffklasse	Gewicht	Plattendicke	Kanten	Stirnkanten-verbindung	Wetterfeste Lagerung

Technical specifications

Parameters	Sign	Value	Unit	Certification
Material				
Type of material		Gypsum board fleece-reinforced		
Typesetting				
Type		GM-FH2		EN 15283-1
Building material class				
Fire behaviour		A1		EN 13501-1
Edges				
Longitudinal edge		SK		
Transverse edge		SK		
Dimensions				
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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Rigips Glasroc F 25

Parameters	Sign	Value	Unit	Certification
Tolerances				
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
Nominal Weight				
Surface-related mass	≥	21.3	kg/m^2	EN 15283-1
Bulk density	≥	850	kg/m^3	EN 15283-1
Characteristic strength values				
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
Heat				
Thermal conductivity	λ_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^{-1} ≤ S/A < 300 m^{-1}	$\lambda_{p,Beam}$	0.30	W/(m·K)	
Thermal conductivity 100 m^{-1} ≤ S/A < 200 m^{-1}	$\lambda_{p,Beam}$	0.25	W/(m·K)	
Thermal conductivity 40 m^{-1} ≤ S/A < 100 m^{-1}	$\lambda_{p,Beam}$	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
Humidity				
(total) water absorption after 2 h storage under water		≤ 10	mass-%	Gypsum data book
Water vapour diffusion resistance factor	μ_{wet}	4		EN ISO 10456
	μ_{dry}	10		EN ISO 10456

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Parameters	Sign	Value	Unit	Certification
Notes				
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).				