Product data sheet

Rigips Glasroc F 30

Hydrophobiert	Anwendung Feuchtraum	Anwendung Innenraum	Baustoffklasse	Gewicht	Plattendicke	Kanten	Stirnkanten-verbindung	Wetterfeste Lagerung
H2			A1	25,5 kg/m²	30 mm	4SK		

Technical specifications

Parameters	Sign	Value	Unit	Certification
Material				
Type of material		Gypsum board fle-ece-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	30.0	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
Tolerances				
Thickness		+/- 1.2	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	≥	25.5	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	≥	504	N	EN 15283-1
Bending fracture load - in transverse direction of the board	≥	1290	N	EN 15283-1
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 $200\ m^{-1} \leq S/A < 300\ m^{-1}$	$\lambda_{p,Beam}$	0.30	W/(m·K)	
Thermal conductivity $100\ m^{-1} \leq S/A < 200\ m^{-1}$	$\lambda_{p,Beam}$	0.25	W/(m·K)	
Thermal conductivity $40\ m^{-1} \leq S/A < 100\ m^{-1}$	$\lambda_{p,Beam}$	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
Notes				
Storage		Dry Flat and level Air access		
Waste key number		17 08 02		

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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