

Technical Data Sheet - parameters of boards



The non-combustible board, made out of exfoliated vermiculite and an inorganic binder, with lower density 480 kg/m³, 16 mm thick. The board is surfaced by paper from both sides and pressed along length edges. The material is free of asbestos fibers and organic substance.

Specification

Type		Grenaboard		
Designation		Vermiculite board		
Dimension of board	mm	1200 x 2400 x 16		
Tolerance of thickness	mm	± 0,2		
Tolerance of format	mm	± 5		
Building class material acc. to DIN 4102		A1, non-combustible		
Building class material acc. to EN 13 501:1		A1, non-combustible		
Index of spreading flame on surface i _s with paper	mm/min	26,80		
Water absorption acc. to EN 12 087	g/cm ³	2 hours	24 hours	48 hours
		0,12	0,28	0,48
Bulk density	kg/m ³	480		
Bend of strength (straight and cross direction)	MPa	8,10		
Cold compressive strength at def. of 10%	MPa	2,95		
Screw resistant extraction EN 320 with paper	N	450		
Sound insulation according to EN ISO 140-3	dB	28		
pH factor		5,5		
Coefficient of gas diffusion	μ	1,5 · 10 ⁻⁷ m ²		
Thermal conductivity at 20 °C	Wm/K	0,12		
Thermal length change	m/mK	8,5 · 10 ⁻⁶		
Moisture content (in foil)	%	2 - 3		
Chemical analysis:				
	Al ₂ O ₃			9,10
	SiO ₂	%		54,75
	MgO			23,48
	Alkali			5,21

All technical data are mean values from the production, which are subject to the usual fluctuations.

They shall not be deemed as a guarantee of certain properties in the sense of a warranty.

All data correspond to the latest state of the art and have been presented and described to the best of our knowledge. Modifications resulting from the latest recognitions are possible. Errors and omissions are not excluded. Our terms of delivery and payment are valid in the event of any possible liability.

Ask for the safety data sheet.

This publication renders all previous ones invalid.

Řezníček Petr
Project manager

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Čs. armády 540, 391 81 Veselí nad Lužnicí, CZ
tel.: +420/381 549 111 fax: +420/381 581 071
e-mail: grena@grena.cz www.grena.cz
IČO: 46678832 DIČ: CZ46678832
Zápis v ORU KS v Českých Budějovicích oddíl B, vložka 484.

