

Technical Data Sheet - parameters of boards



is a fire-resistant board, made out of exfoliating vermiculite, wood and an organic binder. The material is free of asbestos and fibers.

Specification

Type		Grenamat C		
Designation		The board produced from mixture of Vermiculite and wood		
Dimension of board	mm	1220 x 2440 x th.8-38		
Tolerance of thickness	mm	± 0,2		
Tolerance of format	mm	± 5		
Building class material acc. to CSN 73 08 62		C1 - heavy combustible		
Reaction to fire acc. to EN 13 501:1		C – s2,d0		
Index of spreading flame on surface i_s without surface with veneer with melamine with CPL	mm/min	43,00 37,00 37,00 26,70		
Fire-resistance acc. CSN EN 1363-1:2000 thickness 12 mm thickness 18 mm thickness 22 mm thickness 25 mm thickness 35 mm	EI/min	15 22 29 35 55		
Bulk density	kg/m ³	450 – 800;		
Bend of strength (straight and cross direction)	MPa	th. of board 10 mm 12,10	th. of board 19 mm 10,60	
Cold compressive strength at def. of 10%	MPa	12,95		
Screw resistant extraction EN 320 without surface with melamine	N	th. of board 10 mm 890 1125	th. of board 19 mm 985 1358	
Sound insulation according to EN ISO 140-3	dB	th.of board 12 mm; 27	24 mm; 29	35 mm 32
pH factor		5,5		
Thermal conductivity at 20 °C	Wm/K	0,1141		
Thermal length change	m/mK	8,5 · 10 ⁻⁶		
Moisture content (in foil)	%	4 - 6		
Chemical analysis:				
	Al ₂ O ₃	%	3,10	
	SiO ₂		18,75	
	MgO		7,48	
	Alkali		2,21	

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.

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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 OR u KS v Českých Budějovicích oddíl B, vložka 484.

