

BROSZEIT FIRE PROTECTION VERMICULIT
GRENAMAT A

Grenamat A is a non-combustible board, made out of exfoliating vermiculite and an inorganic binder. The material is free of asbestos fibers and organic substance.

SPECIFICATION TYPE	UNIT	VALUE	
TYP		Grenamat A	
SHORT DESCRIPTION		Vermiculite Board	
STANDARD FORMAT	mm	1220 x 2440 x Thickness 8-46 mm	
TOLERANCE IN THICKNESS	mm	± 0.2	
TOLERANCE IN FORMAT	mm	± 5	
BUILDING MATERIAL CLASS TO DIN 4102		A1, non combustible	
BUILDING MATERIAL CLASS TO EN 13501:1		A1, non combustible	
WATER ABSORPTION TO EN 12 087	g/cm ³	2 hours 0.12; 24 hours 0.28; 48 hours 0.48	
DENSITY	kg/m ³	400–750	
DENSITY TOLERANCE	%	± 10	
FLEXURAL STRENGTH	MPa	10 mm 4.10; 19 mm 3.60	
COMPRESSIVE STRENGTH	MPa	2.95	
SCREW PULL-OUT VALUES TO EN 320	N	10 mm Thickness	19 mm Thickness
WITHOUT SURFACE		350	425
WITH VENEER		230	370
WITH PRIMER PAPER		450	475
WITH HPL		595	640
SOUND INSULATION VALUE TO EN ISO 140-3	dB	Thickness 12 mm 27; 24 mm 29; 35 mm 34	
PH VALUE		5.5	
THERMAL CONDUCTIVITY AT 20 °C	Wm/K	0.12	
THERMAL LINEAR EXPANSION	m/mK	8,5.10-6	
RESIDUAL MOISTURE EX WORKS (IN FILM)	%	2-3	
CHEMICAL COMPOSITION:	%		
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.

If you have any questions, please do not hesitate to contact us:
You can find more fire protection products on:

T +49 (0) 7502 940 83-0
www.broszeit-group.com