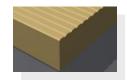
## **Technical data sheet**

## Material description





is a high temperature insulation board, made out of exfoliating vermiculite and an inorganic binder. The material is free of asbestos fibers and organic substance. The material is indeed to insulation and for building up fire places and stoves. It is ease to process by normal wood tools.

Specification

Specification		T =
Type		Grenaisol
Shape		The board with smooth back side and with grooved
		face
Format of board	mm	800 x 600 x tl. 30, 40, 50
Tolerance of thickness	mm	$\pm 0.5$
Tolerance of format	mm	± 5
Classification temperature	°C	950
Fire Class acc.to DIN 4102		A1, non-combustible
Reaction to fire		A1, non-combustible
EN 13 501:1		
Density	kg/m <sup>3</sup>	430
Tolerance of density	%	± 5
Compressive strength,	MPa	1,2
deformation to 10%		
Bending strength	MPa	0,45
Linear shrinkage	%	0,66
after 12 h in 700 °C		
Heat Capacity	kJ/kgK	0,8
Thermal Conductivity 200 °C		0,203
400 °C	W/mK	0,217
600 °C		0,239
800 °C		0,277
Thermal Expansion	m/mK	8,5 . 10 <sup>-6</sup>
Moisture (Packed in foil)	%	2 - 3
Thickness determination of		9 mm thickness of Grenaisol board compensates
insulation layers acc.to	mm	insulation from 10 mm of wall and 10 mm of mineral
DIN 18892		wool. According to AGI Q132.
Thickness determination of		7,1 mm thickness of Grenaisol board compensates
insulation layers acc.to	mm	insulation from 10 mm of mineral wool.
DIN 18892		According to AGI Q132.
Chemical analysis: Al <sub>2</sub> O <sub>3</sub>	%	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.

20.2.2008

Řezníček Petr Project manager



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.