

Grenamat® is a Grena a.s. trademark.

## Grenamat® AL

Material of building material classification A1 (non flammable) according to DIN 4102-1  
Classification A1 (non flammable) according to DIN EN 13501-1

General test certificate P-3481/918/11-MPA BS

### Product Description

Grenamat® A and AL are thermally resistant, non flammable vermiculite fire protection panels produced in hot pressing procedure with inorganic binding agents. They are suitable for high temperatures in the combustion chamber.

### Application Areas

- Lining of fire chambers (as replacement of fireclay)
- Rear wall insulation
- Deflection plates
- Flue ducts
- Ventilation systems
- Areas with high temperatures in the combustion chamber
- Insulation material indoors

### Technical Data

Composition:	Vermiculite panel with inorganic binding agents
Material structure:	Firm panel material
Raw density [kg/m <sup>3</sup> ]:	500 to 800 (± 10 %)
Thermal conductivity [W/mK]:	0,120 (at 20 °C; 500 kg/m <sup>3</sup> )
pH-value:	Ca. 5,5
Bending resistance [N/mm <sup>2</sup> ]:	3,6 to 4,1



### Supplied Forms

Standard dimension:	2440 mm x 1220 mm ± 5,0 mm
Thicknesses:	8 mm to 46 mm ± 0,2 mm

*Special formats, cuts or formed parts are available upon request are produced according to DIN 7715-5.  
Please observe our information for processing and the safety data sheet!*

### Processing and Storage

Processing:	Ensure good ventilation at the work place. Ensure that dust is minimized.
Storage:	Store in a dry place between - 20 °C and + 50 °C. Store maximally 3 pallets on top of each other.

*Do not expose to outdoor weather conditions or high and long-term air humidity!  
If you want to use this product outdoors please contact our application technology service.*

### Note

The information in this brochure is based on our knowledge and experience to date. This information does not release the user from carrying out independent tests and trials due to the various influences when processing and applying our product. It is not possible to derive a guarantee of certain properties or suitability of the product in a concrete application case based on our information. All the descriptions, drawings, photographs, data, conditions, weights etc. included may change without previous announcement; they do not constitute the contractually agreed property of the product. The recipient of our product is responsible to observe any trade mark rights and existing laws and regulations. Adhesive bonds are to be applied according to DIN 2304.