

## Technical Data Sheet

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# BRA-BOARD® M

... High-tech insulation material  
for high temperatures

### Product Specification:

BRA-BOARD® M is a high temperature resistant, non-flammable and reinforced silicate material.

### Special Material Characteristics

- Very high temperature resistance
- Good insulation effect
- Non-flammable

### Typical applications:

- construction of chemical plants
- thermal high stressed laboratory equipment
- hydraulic heated presses (wood and laminate processing)

BRA-BOARD® M offers an outstanding temperature resistance compared to other silicate materials.

### Please note:

The material is delivered with a residual moisture depending on the relative humidity of the environment. For some applications drying at 130 °C to 150 °C for approx. 12 hours is recommended in order to avoid cracks. Processing instructions are available on request.

### Please note:

The nominal thickness of BRA-BOARD® M may show dimensional deviations.

Thickness	12,7 - 30 mm	up to 12 %
Thickness	over 30 mm	up to 8 %

### Delivery Information:

Standard thickness: 12,7 - 60 mm

### Technical data\*:

Max. service temperature		
• long-term	1000	°C
• short-term	1100	°C
Compressive strength**		
• at ambient temperature	27	N/mm <sup>2</sup>
• at 200 °C	25	N/mm <sup>2</sup>
• at 800 °C	20	N/mm <sup>2</sup>
Coefficient of thermal conductivity		
• at ambient temperature	0,27	W/mK
• at 200 °C	0,26	W/mK
Linear coefficient		
X- and Y-direction	2,2·10 <sup>-6</sup>	1/K
Z-direction	2,2·10 <sup>-6</sup>	
Flexural strength		
• at ambient temperature	10	N/mm <sup>2</sup>
Moisture absorption / 24 h	65	%
Density	0,95	g/cm <sup>3</sup>

\*) Further technical details and machining recommendations upon request

\*\*) Compressive stress at break. The possible specific compressive strength depends on the particular application.

Specifications are subject to alteration due to technical development. The standard values given in this data sheet are not part of any contract.