

Technical Data Sheet

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BRA-BOARD® HT 4

... Hightech — Insulation Materials
for high temperatures

Product Specification

The grade BRA-BOARD® HT 4 is a high temperature resistant, non-flammable and reinforced silicate material.

Special Material Characteristics

- **Very high temperature resistance**
- **Good insulation effect**
- **Thermal shock resistant (after thermal pre-treatment)**
- **Non-flammable**
- **Resistant against aggressive gases (industrial furnaces, soldering units, chimneys)**

Range of application

BRA-BOARD® HT 4 offers a very high temperature resistance in combination with a good mechanical strength which allows an easy mounting.

Typical Application:

- In the construction of chemical plants
- In foundries
- In chimneys
- In oil and gas burners
- In the glass industry for the insulation of soldering baths
- In electrical devices

Important remark:

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 upon request.

Please note that the nominal thickness of this material may show dimensional deviations up to 7%.

Delivery Information:

Standard thickness: 12 - 32 mm

Technical data*:

Max. service temperature		
• long-term	850	°C
• short-term	935	°C
Compressive strength (EN ISO 604)		
• at ambient temperature	15	N/mm ²
• at 200 °C	10	N/mm ²
Coefficient of thermal conductivity (DIN 52 612)		
• at ambient temperature	0,09	W/mK
• at 200 °C	0,11	W/mK
Linear coefficient X- and Y-direction Z-direction (DIN 53 752)	7·10 ⁻⁶ 7·10 ⁻⁶	1/K
Flexural strength (EN 63)		
• at ambient temperature	5	N/mm ²
Moisture absorption / 24 h (DIN 53 495)	85	%
Density	0,8	g/cm ³

*) Further technical details and machining recommendation upon request



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