

Technical Data Sheet

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BRA-BOARD® T

...Hightech – Insulation material
for high temperatures

Product Specification

The grade BRA-BOARD® T is a highly compresses fibre cement. BRA-BOARD® T is not flammable.

Special Material Characteristics

- **very high continuous usage temperature**
- **excellent compressive strength**
- **Thermo shock resistance (after thermal pre-treatment)**
- **resistance against aggressive gases in industrial furnaces, soldering facilities, chimneys and drying facilities**

Range of Applications

BRA-BOARD® T offers a high compressive strength compared to other fibre cement materials.

Typical Applications:

- In the construction of chemical plants
- In the glass making industry
- in induction facilities
- in foundries
- in thermal high stressed presses

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 upon request.

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

Delivery Information:

Standard thickness: 10 - 65 mm

Technical Data*:

Max. service temperature		
• long-term	500	°C
• short-term	550	°C
Compressive strength (EN ISO 604)		
• at ambient temperature	100	N/mm ²
• at 200 °C	75	N/mm ²
• at 300 °C	60	N/mm ²
Coefficient of thermal conductivity		
• at ambient temperature	0.30	W/mK
• at 200 °C	0.35	W/mK
(DIN 52 612)		
Linear coefficient (DIN 53 752)		
X- and Y-direction	5 · 10 ⁻⁶	1/K
Z-direction	5 · 10 ⁻⁶	
Flexural strength (EN 63)		
• at ambient temperature	24	N/mm ²
Moisture absorption / 24 h		
(DIN 53 495)	max. 15	%
Density	1.9	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.