Technical Data Sheet

BRA-BOARD® T

11/11 Hü (H)
replaces edition 03/10 Supratherm T

… High-tech – pressure and heat resistant thermal insulation for mechanical engineering, device and plant construction

Material Composition

BRA-BOARD® T belongs to the group of highly compressed, non-asbestos fibrous cement materials. The essential components include Portland cements, silicates and inorganic fibres.

Special Material Characteristics

BRA-BOARD® T is characterised by

- **high continuous thermal stability**
- **thermal shock resistance (after thermal pretreatment)**
- **resistance against aggressive gases in industrial furnaces, soldering facilities, chimneys and drying facilities**
- **non-combustibility**

Range of Application

BRA-BOARD® T is used in the construction of chemical plants, in induction facilities, in the glass industry and foundries.

BRA-BOARD® T is extremely suitable for the insulation of extrusion tools and fibre spinning machines.

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 %.

Technical data*:

Max. service temperature • long-term • short-term	 500 550	 °C °C
Compressive strength • at ambient temperature • at 200 °C • at 300 °C EN ISO 604	 100 75 60	 N/mm² N/mm² N/mm²
Flexural strength • at ambient temperature EN 63	 24	 N/mm²
Coefficient of thermal conductivity λ • at ambient temperature • at 200 °C DIN 52 612	 0.30 0.35	 W/mK W/mK
Linear coefficient of thermal expansion (length and width direction) DIN 53 752	$5 \cdot 10^{-6}$	1/K
Water absorption / 24 h DIN 53 495	max. 15	%
Density	1.9	g/cm³

*) Further technical details upon request

Delivery Information:
Standard thickness: 6….75 mm
Special dimensions 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.

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