

Technical Data Sheet

11/11 H_ü (H)
replaces edition 03/10 Supratherm HT 4

BRA-BOARD[®] HT 4

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

Material Composition

BRA-BOARD[®] HT 4 belongs to the group of medium dense, non-asbestos silicate materials.

Special Material Characteristics

BRA-BOARD[®] HT 4 is characterised by:

- **high continuous thermal stability**
- **high insulation effect**
- **non-combustibility**
- **resistance against aggressive gases in industrial furnaces, soldering facilities, chimneys**

Range of Applications

BRA-BOARD[®] HT 4 is applicable in chemical plants, in apparatus engineering, in foundries, in chimneys, and in oil and gas burners.

Furthermore, this grade is used as insulation for soldering baths in the glass industry and in electronic devices and equipment.

BRA-BOARD[®] HT 4 is also used in plastics processing machines as insulation against electric heating bands.

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

Delivery Information:

Standard thickness:	19/25/32/38/44/50	mm
Standard size:	1270 x 1270	mm
Standard thickness:	12/63/75	mm
Special dimensions upon request		

Technical data*:

Max. service temperature		
• long-term	850	°C
• short-term	935	°C
Compressive strength		
• at ambient temperature	15	N/mm ²
• at 200 °C	10	N/mm ²
EN ISO 604		
Flexural strength		
• at ambient temperature	5	N/mm ²
EN 63		
Coefficient of thermal conductivity λ		
• at ambient temperature	0.09	W/mK
• at 200 °C	0.11	W/mK
DIN 52 612		
Linear coefficient of thermal expansion (length and width direction)		
DIN 53 752	$7 \cdot 10^{-6}$	1/K
Water absorption / 24 h		
DIN 53 495	85	%
Density	0.8	g/cm ³

*) Further technical details 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.