


**Thermax<sup>®</sup> BOARDS SN (900 °C)**
**Technical specification**

	Product	SN 400	SN 450	SN 750
Classification Temperature	°C	900	900	900
Bulk Density ± 5%	kg/m <sup>3</sup>	400	475	750
Cold Compressive Strength (C.C.S.)	MPa	1.5	2.5	4.5
Modulus of Rupture (M.o.R.)	MPa	0.8	1.5	4.0
Thermal Conductivity (at a medium temperature in W/mK)	200 °C	0.14	0.15	0.18
	400 °C	0.16	0.17	0.20
	600 °C	0.18	0.19	0.21
Reheat Shrinkage (900 °C / 12h)	%	< 2.0	< 2.0	< 2.0
Thermal Expansion, linear (20 – 700 °C)	%	0.94	0.94	0.94
Specific Heat Capacity	kJ/kg K	1.15	1.15	1.15
Standard Dimensions (in mm) <sup>(1)</sup>	length	1900	1900	2440
	width	1200	1200	1220
	thickness	20 – 70	15 – 65	8 – 30
Plane Parallelism +/-	mm	0.2	0.2	0.2
Colour		beige	beige	beige

- (1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
- (2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

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Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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