


Thermax[®] BOARDS S (1100 °C)
Technical specification

	Product	S 600	S 700	S 800	S 900
Classification Temperature (EN 1094-6)	°C	1100	1100	1100	1100
Bulk Density (EN 1602)	kg/m ³	575 – 650	675 – 750	775 – 850	875 – 950
Compressive Strength (EN 826)	MPa	3.4	4.5	5.2	5.8
Modulus of Rupture (EN 12089 B)	MPa	2.2	3.0	3.9	4.5
Thermal Conductivity (ASTM C201 – C182)	200 °C	0.20	0.21	0.23	0.24
	400 °C	0.21	0.22	0.24	0.25
	600 °C	0.22	0.24	0.25	0.26
Reheat Shrinkage (1100 °C / 12h)	%	< 2.0	< 2.0	< 2.0	< 2.0
Reversible Thermal Expansion, linear	%	0.6	0.6	0.6	0.6
Specific Heat Capacity	kJ/kg K	1.15	1.15	1.15	1.15
Standard Dimensions (in mm / ±2) ⁽¹⁾ Thickness (in mm / ±1) (EN 823)	length	1000	1000	1000	1000
	width	610	610	610	610
	thickness	15 – 100	15 – 80	15 – 60	15 – 50
Plane Parallelism +/-	mm	0.2	0.2	0.2	0.2
Colour		beige	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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