


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

	Product	SF 400	SF 450	SF 600	SF 750	SF 850
Classification temperature	°C	1100	1100	1100	1100	1100
Density ± 5%	kg/m ³	400	475	625	750	850
Cold compressive strength	N/mm ²	1.5	2.5	4.0	6.0	6.5
Modulus of rupture	N/mm ²	0.8	1.2	2.5	4.5	5.0
Thermal conductivity (at a medium temperature W/mK)	200 °C	0.14	0.15	0.16	0.18	0.20
	400 °C	0.16	0.17	0.18	0.20	0.22
	600 °C	0.18	0.19	0.20	0.21	0.23
Thermal shrinkage (1100 °C / 12h)	%	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Thermal expansion, linear (20 – 700 °C) %		0.9	0.9	0.9	0.9	0.6
Specific heat capacity	kJ/kg K	1.15	1.15	1.15	1.15	1.15
Standard dimensions (in mm) ⁽¹⁾	length	1000, 2440, 3100				
	width	1250				
	thickness	20 – 80	15 – 80	20 – 50	8 – 40	20, 25, 30
Plane parallelism +/-	mm	0.2	0.2	0.2	0.2	0.2
Colour		beige	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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