



VERMICULIT BOARDS SF (KFT 1100°C)

Technical specification

	Product	SF 400	SF 450	SF 600	SF 750	SF 850
Classification temperature	°C	1100	1100	1100	1100	1100
Bulk density	kg/m ³	350 – 400	450 – 500	600 – 650	700 – 900	800 – 900
Cold compressive strength	N/mm ²	1.5	2.5	4.5	6.0	6.5
Modulus of rupture	N/mm ²	0.8	1.2	2.5	4.0	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)	%	0.94	0.94	0.94	0.94	0.9
Specific heat capacity	kJ/kg K	1.15	1.15	1.15	1.15	1.15
Standard dimensions (in mm) ⁽¹⁾	length	3100	3100	3100	3100	1020, 2440, 3100
	width	1250	1250	1250	1250	1250
	thickness	20 – 70	15 – 70	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) With tiles especially, 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, the Engineering department of our company will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

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