SkamoStove Board 900

	Value	Unit
Maximum service temperature	1,150 2,102	°C °F
Bulk density	900 56	kg/m³ lb/ft³
Cold crushing strength (DS/EN ISO 8895_2006)	6.3 914	MPa lb/in²
Modulus of rupture (EN 993-6:1995)	2.1 305	MPa lb/in²
Linear reheat shrinkage (EN 1094-6:1999) after 12 hours at 1,000°C (1,832°F)	1.2	%
Total porosity (EN 1094-4:1995)	67	%
Coefficient of reversible thermal expansion (BS 1902:1990) at 20°C to 750°C (68°F to 1,382°F)	8.9 4.9	×10⁻⁶ K⁻¹ ×10⁻⁶°F⁻¹
Resistance to thermal shock (EN 993-11:1999)	> 30	Cycles

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.18	W/(m×K)
	400°C	0.19	W/(m×K)
	600°C	0.20	W/(m×K)
	800°C	0.23	W/(m×K)
	1,000°C	0.26	W/(m×K)
	392°F	1.24	BTU/(ft²×h×°F/in)
	752°F	1.31	BTU/(ft²×h×°F/in)
	1,112°F	1.38	BTU/(ft²×h×°F/in)
	1,472°F	1.59	BTU/(ft²×h×°F/in)
	1,832°F	1.80	BTU/(ft²×h×°F/in)

Chemical analysis			
Silica	SiO_2	44	%
Titanium dioxide	TiO_2	0.7	%
Ferric oxide	Fe_2O_3	7.1	%
Alumina	Al_2O_3	6.3	%
Magnesium oxide	MgO	25.9	%
Calcium oxide	CaO	3.0	%
Sodium oxide	Na_2O	0.1	%
Potassium oxide	K_2O	6.9	%
Loss on ignition at 1,025°C (1,877°F)	LOI	4.0	%

HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00	
Colour	Sand	

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted. Revision number: 12.1.2021

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Size	Length	Width	Thickness
Maximum	1,260mm	1,000mm	70mm
Minimum	According to your specification	According to your specification	10mm
Standard tolerances*	Up to ±4.0mm	Up to ±2.5mm	Up to ±1.0mm
Machined tolerances*	Up to ±2.5mm	Up to ±2.5mm	Up to ±1.0mm

*Dimensional tolerances depend on length and width

General information
Not all size combinations are available for ordering.
Contact Skamol for the tolerance for a specific size.

Standard sizes
Check your Skamol price list or contact Skamol with your request.

Machining
Special shapes machined to customer specification can be supplied for specific design requirements.

Packaging
Products will be packed according to the Skamol standard.

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