

THERMAX® S 600 / S 700 / S 800 Stove refractory boards



Various design examples can be found at the backside.

Technical specifications

THERMAX®		S 600	S 700	S 800
Delivery format	mm / ±2	1000 x 610	1000 x 610	1000 x 610
Thickness	mm / ±1	8 – 120	8 – 90	8 – 80
Classification temperature	°C	1100	1100	1100
Bulk density (DIN EN 1094-4)	kg/m ³	575 – 650	675 – 750	775 – 850
Modulus of Rupture (DIN EN 933-6)	MPa	2.0	3.0	4.5
Cold Crushing Strength (DIN EN ISO 8895)	MPa	3.1	4.3	5.2
Thermal conductivity (ASTM C201-C182)	200 °C	0.17	0.20	0.22
	400 °C	0.19	0.22	0.24
	600 °C	0.23	0.24	0.26
Thermal Shrinkage (DIN EN 1094-6)	% / after 12h at 1100 °C	< 2.0	< 2.0	< 2.0
Thermal expansion linear (DIN 51045)	% / 20 – 700 °C	0.55	0.55	0.55