

THERMAX® S 600 / S 700 / S 800 / S 900 Stove refractory boards



Technical specifications

THERMAX® S		S 600	S 700	S 800	S 900
Delivery sizes	mm / ±2	1000 x 610	1000 x 610	1000 x 610	1000 x 610
Thickness EN 823	mm / ±1	15 – 100	15 – 80	15 – 60	15 – 50
Classification temperature EN 1094-6	°C	1100	1100	1100	1100
Bulk density EN 1602	kg/m³	575 – 650	675 – 750	775 – 850	875 – 950
Bending strength EN 12089 B	MPa	2.2	3.0	3.9	4.5
Compressive strength EN 826	MPa	3.4	4.5	5.2	5.8
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
Thermal shrinkage EN 1094-6	% / after 12 hrs. at 1100 °C	< 2.0	< 2.0	< 2.0	< 2.0
Reversible thermal expansion linear	% / 20 – 700 °C	0.6	0.6	0.6	0.6