

MURUGAPPA MORGAN THERMAL CERAMICS LIMITED

PRODUCT INFORMATION

CERAMIC FIBRE BOARDS



TYPE: Rigid board based on refractory fibres

Classification temperature:

STD Board	: 1260 ° C
AZS Board	: 1400 ° C
S Board	: 1260 ° C
E Board	: 1100 ° C
Baffle Board	: 1260 ° C & 1400° C

DESCRIPTION

Ceramic fibre boards are rigid self supporting insulating product manufactured from Refractory fibres. Ceramic fibre boards are designed for use in application conditions requiring superior insulating properties combined with high rigidity and mechanical strength

AVAILABILITY

Standard sizes:

- 500 mm width X 1000 mm length
- 1000 mm width X 1000 mm length
- 1000 mm width X 1200 mm length

FEATURES

- Excellent insulating performance
- Excellent thermal stability
- Low heat storage
- Resistance to thermal shock
- Good machinability

APPLICATIONS

- Back up insulation in refractory construction
- High temperature ceramic kiln & cars
- Hot face lining material in furnace building
- Back up insulation in steel ladles
- Back up insulation in Glass melting furnace
- Molten aluminium handling applications

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PRODUCT INFORMATION
CERAMIC FIBRE BOARDS
MAIN PROPERTIES

Physical Properties	STD Board	AZS Board	S Board	E Board	Baffle Board	
Classification temperature ° C	1260	1400	1260	1100	1260	1400
Chemical composition (%)						
Al ₂ O ₃	> 40	> 29	> 44	> 30	> 40	> 29
SiO ₂	< 60	< 55	< 56	< 60	< 60	< 55
ZrO ₂	-	> 10	-	< 19.5	-	> 10
Loss on ignition %	< 10	< 10	< 10	< 10	< 10	< 10
Density (Nominal) kg/m ³	240	240	330	240	250-325	250-325
Modulus of Rupture Kpa upto 25 mm thick	500	500	1000	200	400	400
Modulus of Rupture Kpa > 25 mm thick	200	200	700	125	150	150
Linear shrinkage % - 24 hrs (Max)	4.0 (1200°C)	4.0 (1350°C)	4.0 (1200°C)	3.5 (1100°C)	4.0 (1200°C)	4.0 (1350°C)
Thermal conductivity w/mk 600°C (Mean temperature)	0.11	0.11	0.13	-	0.11	0.11
Availability 1000 mm width x 1200 mm length						
Thickness (mm)						
5	X	X	X	-	-	-
10	X	X	X	X	-	-
12	X	X	X	X	X	X
15	X	X	X	X	X	X
20	X	X	X	X	X	X
25	X	X	X	X	X	X
30	X	X	X	X	X	X
40	X	X	X	X	X	X
50	X	X	X	X	X	X
60	X	X	X	-	X	X
75	X	X	X	-	X	X
100	X	X	-	-	-	-
125	X	X	-	-	-	-
150	X	X	-	-	-	-

All above blankets are subjected to standard tolerances. The values given herein are typical values obtained in accordance with accepted test methods and subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes.