



DESCRIPTION

Cervac Board products are manufactured using Fiberfrax® Ceramic Fibre, blended with specially selected inorganic mineral fillers and organic binders to give rigid boards with exceptional characteristics. Cervac boards are available in a range of sizes, grades, densities and strengths. These boards may be used as individual components of a furnace lining, as a hard hot face layer for Durablankets or as back-up insulation.

GENERAL CHARACTERISTICS

Cervac Boards have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity - saves fuel
- Resistance to thermal shock
- Resistance to erosion
- Easy to cut with standard tools

TYPICAL APPLICATIONS

- High temperature furnace and kiln linings
- Rigid high temperature gaskets and seals
- Hot gas duct liners
- Ladle cover back-up lining
- Heat shields
- Gas boiler combustion chamber linings

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

*Start saving energy now.
Contact your local distributor.*

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TYPICAL PRODUCT PARAMETERS

Cervac Board	Z	S	LT11
Typical Chemical Analysis (fibre wt. %)			
SiO ₂	53 - 59	57 - 61	69 - 73
Al ₂ O ₃	28 - 32	38 - 42	22 - 25
ZrO ₂	12 - 14	-	-
Fe ₂ O ₃ + TiO ₂	< 1	< 1	< 1.5
Others	< 1	< 1	< 5
Physical Properties			
Colour	Off-White	Off-White	Off-White
Classification Temp. (°C)	1425	1260	1100
Product Density (kg/m ³)	320 - 384	320 - 384	300 - 380
Modulus of Rupture (Kg/cm ²)	7.0 Min	7.0 Min	7.0 Min
Use Limit (°C) *	1350	1200	1000
Loss on ignition (wt. %)	3 - 6	3 - 6	4 - 7
Thermal Conductivity (W/mK) **			
Mean Temp. (°C)			
200°C	-	-	0.06
300°C	-	-	0.07
400°C	-	-	0.08
600°C	0.12	0.12	-
800°C	0.15	0.15	-
1000°C	0.18	0.18	-
Permanent Linear Shrinkage (%) 24 hour soak			
1050 °C	-	-	< 2.0
1100 °C	-	< 2.0	< 2.5
1200 °C	< 2.5	< 3.5	-
1400 °C	< 4.0	-	-

*The maximum continuous use limit temperature for these products depends upon operating and application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

**Thermal Conductivity figures are empirical values (average) based on experience.

AVAILABILITY

Board Dimensions (mm)			for Z, S & LT11	
Length	Width	Thickness	Per Box	Per Pallet (Containers)
1250	1000	6	20	200
		12	10	100
		25	6	60
		38	4	40
		50	3	30
		75	2	20

*Other Thicknesses / sizes may be available on request subject to minimum order requirement

HANDLING INFORMATION

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Supplied by:

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