



## DESCRIPTION

Cervac Board LT is a rigid product made by blending Mineral Fibre & Fiberfrax® Ceramic Fibre. Boards are vacuum formed from fibre containing slurry with organic & inorganic binders and mineral fillers. These are manufactured over a wide range of grades, sizes & thicknesses.

These boards may be used as back-up insulation depending on application temperature.

## GENERAL CHARACTERISTICS

Cervac Board LT has the following outstanding characteristics :

- High temperature stability
- Low thermal conductivity & heat storage - saves fuel
- Highly resistance to thermal shock
- Resistance to erosion
- Easy to cut with standard tools

## TYPICAL APPLICATIONS

- Back-up insulation for castable & bricks

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.

*greener  
cleaner  
safer*  
specialty fibers for  
a greener, cleaner, safer world

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## TYPICAL PRODUCT PARAMETERS

Cervac Board	LT	LT11	
<b>Physical Properties</b>			
Classification Temperature (°C)	1000	1100	
Density (kg/m <sup>3</sup> )	300 - 380	300 - 380	
Hardness Shore Scale (avg.)	40	40	
Flexural Strength (kg/cm <sup>2</sup> )	Typ.	10.5	10.5
	Spec.	7	7
Compressive Strength (kg/cm <sup>2</sup> )	Typ. 10% Comp.	3	3
	25% Comp.	6.5	6.5
	Spec. 10% Comp.	2.3	2.3
	25% Comp.	5	5

The above strengths are for thickness upto 25mm, for higher thickness the strength will be lower.

### Thermal Conductivity (W/mK)

#### Mean Temp.

250 °C	0.10	0.10
550 °C	0.11	0.11
850 °C	0.13	0.13

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

### Permanent Linear Shrinkage (%) 24 Hour Soak

#### Temp.

1000 °C	1.5	1.0
1100 °C	-	1.5

For specification add 0.5% to above shrinkage value.

Water Repellant boards are available in LT Grade.

Classification temperature refers to the maximum short term temperature limit. The maximum continuous use limit depends upon application conditions. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office.

## AVAILABILITY

Thickness (mm)	Pieces per Carton
<b>Size : 500 x 1000 &amp; 600 x 900</b>	
6	20
12	11
19	7
25	6
38	4
50	3
75	2

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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