



15660 South LaSalle Street
 South Holland, IL 60473
 Phone: 708-339-6810
 Fax: 708-339-0517
 www.armilcfs.com

Isofrax® and Insulfrax®Board

Isofrax® boards and shapes are vacuum formed from high temperature silica-magnesia fibers and binders. Insulfrax® boards and shapes are vacuum formed from form calcium, magnesium, silica fibers and binders. Both products do not contain RCF fibers. Isofrax® and Insulfrax® boards offer high temperature stability, uniform density, low thermal conductivity, excellent resistance to thermal shock, and superior wetting resistance to molten aluminum. Both products contain organic and inorganic binders that will burn out during initial heat up.

Physical properties

	<u>Isofrax® boards</u>	<u>Insulfrax® boards</u>
Color Before Firing	White	Cream
Color After Firing	White	White
Maximum Use Limit	2300°F	2012°F
Continuous Use Limit	2300°F	1850°F
Melting Point	>2730°F	2300°F
Nominal Density lb/ft ³	14-18	18
Chemical Composition		
SiO ²	70-80%	60-70%
CaO		25-35%
MgO	18-27%	2-10%
LOI (%by Weight)	4-7	<4-7
Typical Shrinkage (%) 24 hours @ 1800°F	<5	<5
MOR, PSI		
Green (typical)	100	125
Fired (typical)	50	50

Data is based on average properties and is presented for general reference only. This information should not be used for specification purposes – no warranty is expressed or implied