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Fiberfrax® Ceramic Fiber Boards

Fiberfrax® Duraboard ceramic fiber boards are used for a variety of high temperature insulating applications to 3000°F. All Duraboard ceramic fiber boards are manufactured from high purity Fiberfrax® alumina silica ceramic fibers.

Fiberfrax® ceramic fiber boards offer low thermal conductivity, high temperature stability, uniform density, and excellent resistance to thermal shock and chemical attack*. The excellent rigidity and high modulus of rupture for these boards makes them strong and self supporting, yet lightweight and easy to cut or fabricate. Duraboard products contain small amounts of organic and inorganic binders that will burn out between 450°F and 600°F during initial heat up. *Exceptions are hydrofluoric, phosphoric, hydrochloric, sulfuric acids as well as concentrated alkalis.



	Duraboard LD	Duraboard HD	Duraboard 2600	Duraboard 3000
Density	16 pcf	26 pcf	14 pcf	12 pcf
Temperature Grade	2300°F	2300°F	2600°F	3000°F
Melting Point	3200°F	3200°F	3300°F	3400°F
Recommended Operating Temperature	2100°F	2100°F	2450°F	2700°F
MOR: Green	200	300	150	150
Fired @ ROT	80	125	65	55
LOI (% by weight)	6-7	6-7	4-6	4-6
Dielectric strength	27 volts/mil	27 volts/mil	27 volts/mil	27 volts/mil
Shrinkage % @ ROT	<5%	<5%	<2%	<2%
Composition	Fiberfrax alumina/silica fibers	Fiberfrax alumina/silica fibers	Fiberfrax & Fibermax mullite fibers	Fiberfrax & Fibermax mullite fibers
Available Thicknesses	1/4",1/2",1",1-1/2",2"	1",1-1/2",2"	1",1-1/2",2"	1",1-1/2",2"
Thermal Conductivity (btu*in.hr/ft ² *°F)	0.847 @ 1000°F 1.339 @ 1600°F	0.847 @ 1000°F 1.339 @ 1600°F	0.899 @ 1000°F 1.417 @ 1600°F	0.738 @ 1000°F 1.426 @ 1600°F