



INSULATION SPECIALTIES OF AMERICA INC.

FLEX BOARD

FlexBoard is vacuum formed high temperature refractory ceramic fiber board made from alumina-silica fibers and binders. FlexBoard offers high temperature stability, uniform density, and flexibility for easier packing and/or installation. In order to provide handling strength for the FlexBoard during manufacturing as well as during installation, small quantities of organic and inorganic binders are added to the formulation. The organic binders will burn out between 200-500°F during the initial heat up by the end user of the product, causing the material to become brownish in color and give off a slight odor. Upon completion of the burnout the boards will be odorless and white in color.

PHYSICAL PROPERTIES

Color Before Firing	White
Color After Firing	White
Temperature Maximum	2300°F (1260°C)
Recommended Operating Temp.	2100°F (1149°C)
Melting Point	3200°F (1760°C)
Nominal Density lb/ft ³	14-16
Chemical Composition	
Al ₂ O ₃	47-52%
SiO ₂	48-53%
Proprietary Binder	5-15%
LOI (% by Weight)	>6%
Typical Shrinkage (%)	
24 HRS @ 2000°F	<4%
MOR, PSI	
Green (typical)	70
Fired (typical)	30

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.