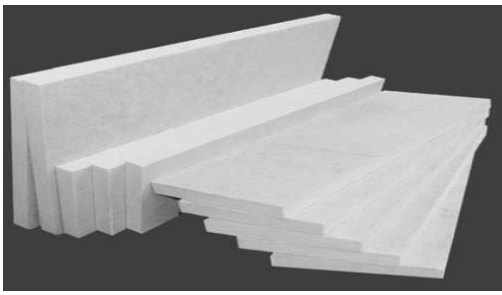


## Mineral Wool Board



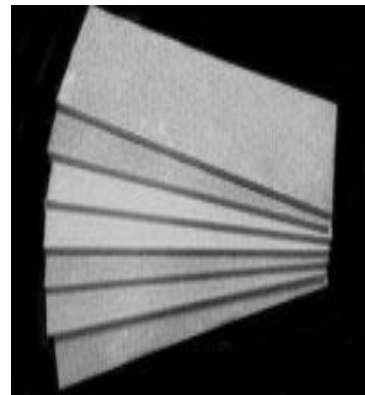
- Mineral Wool Board is a high temperature insulation board, which is made from mineral fiber and organic binder. The material is ideal for refractory backup insulation behind insulating firebrick and other refractory linings.
- Mineral wool board can be used at different service temperatures up to a maximum of 1900°F on the hot surface of the enclosed panel. This board is not to be subjected to direct touch with flame as a hot face refractory material.
- There could be smoke generated when the binder in the fiber board is burnt above approximately 500°F but the smoke will disperse soon and once for all. To limit or avoid such smoke generation in initial start-up performance, heat rise should be controlled at about 20°F per minute to allow the binder to dissipate with moderate temperature increase. The ignition loss of binder in the first start-up operation will not adversely affect the insulation value.

### Typical Physical Properties

Color	Grey white
Classification temp	1050 °C (1920 °F)
Operating temp	950 °C (1700 °F)
Dimension (mm)	1200x600x12.7 1200x600x25 1200x600x50
Bulk Density	14-16 lb/ft <sup>3</sup> (220-256 kg/m <sup>3</sup> ) 17-19 lb/ft <sup>3</sup> (272-304 kg/m <sup>3</sup> )
Compression (Mpa)	0.25
Shrinkage on Heating (≤ %) 950 °C x 24h	0.25
Thermal Conductivity (W/mk)	
@ 400 °C	----
@ 600 °C	0.108
@ 800 °C	0.116

### Typical Chemical Composition

Al <sub>2</sub> O <sub>3</sub>	20%
SiO <sub>2</sub>	48%
CaO	25%
Fe <sub>2</sub> O <sub>3</sub>	≤2%



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