



**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.

Color	Unit	Grey White
Classification Temp	°C (°F)	1050 (1920)
Operating Temp	°C (°F)	950 (1700)
Dimension	mm	1200x600x12.7 1200x600x25 1200x600x50
Bulk Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	14-16 (220-256) 17-19 (272-304)
Compression	Mpa	0.25
Shrinkage on Heating	(≤ %)950 °Cx24h	0.25
Thermal Conductivity	W/mk	
@400	°C	--
@600	°C	0.108
@800	°C	0.116

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%