

Insulation for Chimney Supports(Load Bearing Insulation)



Thermal Insulation Industries is engaged in manufacturing of High Temperature Thermal insulation boards(Non-Asbestos) like SINDHANIO-350,SINDHANIO-550,THERMO LIGHT & THERMO IMPACT. These boards are made using cement, Fibers & Mineral materials & have high mechanical strength with good insulation property.

Our company is based at Vadodara (Gujarat, India).

Our product “SINDHANIO-350” is best suited for “INSULATION FOR CHIMNEY SUPPORTS(LOAD BEARING INSULATION)

The Chimney bottom is fixed with floor beam using Bearing insulation blocks(Made from 50mm thk. SINDHANIO-350 sheets) & Dowel pins(dia.25mm x 100mm Long).

Due to high mechanical strength & low thermal conductivity of “Sindhanio-350”,It prevents heat flow from inside of chimney towards the floor beam.

The use of Insulation also eliminates possibility of fire in the combustible material around the chimney.

Sindhanio-350 is a machinable product on which drilling,Turning,Milling operations can be performed.

“SINDHANIO-350”exhibites very good performance due to its High strength & very low Thermal conductivity.

Specification	Requirement As per IS:4248	Sindhanio 350 Obtained Value	Remarks
Continuous Operating Temperature	-	350 °C (Max)	-
Density (Kg/m ³)	-	1900	-
Thermal Conductivity (W/m °K)	-	0.64	-
Cross-breaking strength (Kg/cm ²)	Min. 300	366	Conforms
Crushing Strength (Kg/cm ²)	Min. 1055	1536	Conforms
Shear Strength (Kg/cm ²)	Min. 210	437	Conforms
Deformation under Compression, Kgf	Reduction in thickness shall not be greater than 5% nor shall mechanical failure occur, such as cracking or breaking when it is subject for one minute to a load of 4500 Kgf	Reduction in thickness: 2 % No mechanical failure such as cracking or breaking was observed	Conforms

Standard Sheet sizes available :- Thickness:- 5 , 6, 8, 10, 12, 16, 20, 25, 30, 32, 40, 50, 75 mm
Dimensions Of Sheet : 1050 mm(42") x 1200 mm(48")