

## Insulation for “INDUCTION FURNACE”



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 products “SINDHANIO-350” is best suited for “INSULATION FOR INDUCTION FURNACES”.**

Construction of Induction Furnace require Top & Bottom covers made up Insulation boards having very high mechanical strength with low thermal conductivity because Induction furnace processes heavy materials.

The spacers made from SINDHANIO-350 are also used as “COIL SPACERS” between layers of induction coil. Mounting Support blocks & Side plates made of SINDHANIO-350 are also used during construction of furnaces.

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

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

We also supply custom built parts as per drgs. Like Bushes, Mounting blocks, Rings made up of segments (6/8 parts), Washers & Drilled Top & bottom covers.

Specification	Requirement As per IS:4248	Sindhanio 350 Obtained Value	Remarks
Continuous Operating Temperature	-	350 °C (Max)	-
Density (Kg/m <sup>3</sup> )	-	1900	-
Thermal Conductivity (W/m °K)	-	0.64	-
Cross-breaking strength (Kg/cm <sup>2</sup> )	Min. 300	366	Conforms
Crushing Strength (Kg/cm <sup>2</sup> )	Min. 1055	1536	Conforms
Shear Strength (Kg/cm <sup>2</sup> )	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")