

## INSULATION MOUNTING BLOCKS FOR-“ELECTRICAL HEATERS”



**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” & “SINDHANIO-550” are best suited as Insulation mounting blocks for “ELECTRICAL HEATERS”**

Many Industries use various types of Electrical heaters like Tarpaulin heaters, Tubular heaters, Strip heaters, etc. for heating processes.

These heaters need to be mounted on High temperature non-metallic Insulation blocks for the safety of operators from electrical shock.

“Sindhania-350” & “Sindhania-550” products have got high thermal shock resistance with low thermal conductivity.

#### **ADVATAGES OF “SINDHANIO” INSULATION MOUNTING BLOCKS :-**

- Safety of operators from Electrical shock
- Low thermal conductivity over broad range of temperatures
- High mechanical strength

**APPLICATIONS OF "SINDHANIO" INSULATION MOUNTING BLOCKS :-**

- Tarpaulin heaters
- Electrical collars & bushings
- Heat pads
- Arc shields
- Braking resistance grids
- Transformer spacers
- Switchgear Assemblies
- Coil spacers

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:- 3.5 , 5 , 6, 8, 10, 12, 16, 20, 25, 30, 32, 40, 50, 75 mm  
Dimensions Of Sheet : 1050 mm(42") x 1200 mm(48")