

Insulation for "INDUSTRIAL OVENS/FURNACES"



PROVIDE ENERGY SAVING SOLUTIONS

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 "THERMO LIGHT" is best suited as Insulation for "INDUSTRIAL OVENS/FURNACES"

THERMO LIGHT boards are made using Calcium silicate & high performance minerals. These sheets are capable to withstand 600 deg.centi(Continuous) & exhibits excellent thermal shock resistance.

Now a days, new concept of using structural insulation boards like "Thermo light" in place of traditional Glasswool/Cerawool,etc. is in practice for constructing Ovens/Furnaces. The major problem with Glasswool/Cerawool is generation of Air-pockets due to setting down over a period of time which needs frequent maintenance regularly. This formation of Air-pockets leads to heat losses from inside of the Ovens towards outer metallic surface of the Ovens.

Construction of Ovens with "Thermo light" boards need steel Angle structure on which thermo light boards are Mounted using fasteners. The boards can be painted for good aesthetic.

The use of sheet metal is totally eliminated which is a major cause for heat losses (Conduction of heat from inner of oven towards outer sheet metal surfaces)

“THERMO LIGHT” has got good mechanical strength along with very high insulation property.

ADVANTAGES OF “TERMO LIGHT” INSULATION:-

- Prevents heat Losses from Inside of the ovens/Furnaces towards surrounding Environment
- High thermal shock resistance with high electrical insulation
- High Energy Saving due to very low thermal conductivity—0.25 W/m-deg.k
- Keeps working environment comfortable
- No Air-pocket generation as in Glasswool/Cerawool ovens due to problem of setting down.
- Sheet metal is not required in construction of ovens so heat losses due to Conduction is eliminated
- Maintenance of insulation is not there like Glasswool/Cerawool
- Thermo light boards are machinable-Drilling,turning,Milling is possible

APPLICATIONS OF “TERMO LIGHT” INSULATION:-

- Powder coating ovens
- Paint booths
- Textile drying Ovens
- Curing & Baking ovens

Thermo light boards are machinable

Standard Sheet sizes available :- Thickness:- 25, 30, 32, 40, 50, 75 mm
Dimensions Of Sheet : 1000mm x 1200mm