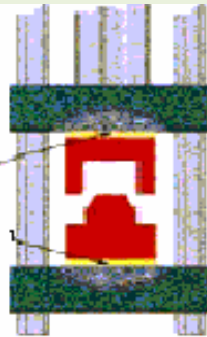


MOULD PLATEN INSULATION FOR RUBBER/PLYWOOD MOULDING PRESS



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 IMPACT" is best suited as Mould Platen Insulation for RUBBER/PLYWOOD moulding presses.

During rubber/plywood moulding process, Heat is applied to the mould Die. As the Die parts remain in contact with steel body of press, Heat flow starts from Die towards body of the press until temperature of Die & Press body becomes equal. In this process of heat losses, More energy (Either Electricity, Oil or any other fuel) is required to pump enough heat for moulding process. Also the press body becomes so hot that it becomes difficult for the worker to work.

The above heat losses can be minimized by using MOULD PLATEN INSULATION material like "THERMO IMPACT" between Die parts & press body. THERMO IMPACT boards do not allow heat to flow from Die to press body. This in turn leads to great amount of ENERGY SAVING.

"THERMO IMPACT" has got very high mechanical strength along with very good insulation property.

ADVATAGES OF MOULD PLATEN INSULATION:-

- Prevents heat Losses from Mould
- Increases life of Press
- Energy Saving
- Keeps working environment comfortable
- Faster Mold start up

APLICATIONS OF MOULD PLATEN INSULATION:-

- Tyre (Rubber) moulding presses
- Plywood presses
- Bakelite moulding presses
- SMC/DMC moulding presses

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:- 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")