

Fire Found Its Match

INSERA[®]
CERAMIC FIBRE BOARDS

DESIGN COMFORT INSULATION

INSERA® - Ceramic Fibre Boards

INSERA® Ceramic Boards are made from ceramic fibres by multi component organic / inorganic bonding process.

INSERA® Ceramic Boards are obtained by vacuum suction / forming of a mixture of ceramic fibres with organic and mineral binders. These vacuum-formed products can be molded into a wide variety of shapes to have a smooth inside surface and a rougher outside, as demanded for various types of applications.

INSERA® Boards can be cut, ground, sawed, drilled or machined if required.



INSERA® Ceramic Boards

AVAILABILITY

Thickness*	25, 50 mm	* Other thickness offered on request
Density*	250-320 kg/m ³	* Higher density products offered on request
Std. Dimensions* Length x Width	1000 x 500 mm	* Other dimension products offered on request

PHYSICAL PROPERTIES

Melting Temperature (°C)		1700-1760
Fibre Diameter (μ)		2-3
Linear shrinkage (%) after 24 hrs Firing / Soaking	1000°C	1.5
	1100°C	2.2
	1200°C	3.0
Bulk Density (Kg/m ³)		260-320
Max Service Temp. (°C)		1260-RT grade & 1425-HTZ grade
LOI / Binder		Max 10%

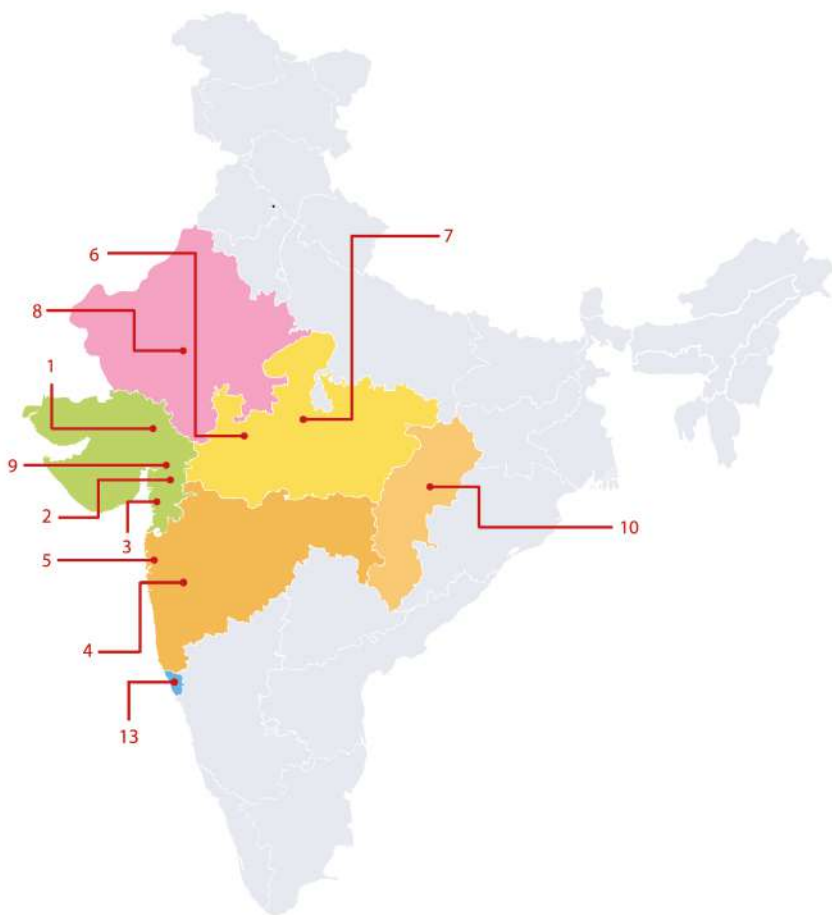
ADVANTAGES

- Fire-safe non-combustible building insulation product complying with NBC & NFPA Life safety code requirements
- Fire Rated / Fire Safe product due to very low Flame Spread Index (FSI) & Smoke Developed Index (SDI) in accordance with ASTM E 84 testing
- Dimensionally stable at high temperature
- Fast and efficient installation due to high rigidity
- Lower maintenance cost & lesser downtime
- Resistant to thermal shock
- Asbestos free



APPLICATIONS (Boards and Blocks)

- All types of Refractory Insulations
- Insulation of Combustion/Hot Chambers
- Non Combustible Sealings
- Industrial Furnace Lining
- High Temperature Resistant Walls, Dryer & Ovens.
- Lining for Molten Metal
- Lining of: Furnaces including Electric Furnaces, Hot Gas Ducts, Combustion Chamber in Central Heating Boiler, Boilers, Flue and Chimneys of furnaces and kilns
- Refractory Backup for Bricks and Castables
- High Temperature Baffles and Muffles
- Heat Shield for Personnel Protection
- Rigid High Temperature Gaskets and Seals
- Expansion Joints
- Steam Turbine & Nuclear Insulation



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