



SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

Your Energy Saving Partner



Phinolic Foam:

Phenolic foam is a rigid cellular foam insulation material. Its polymer structure is made up from poly-condensation of phenol. It is a closed Cell material. Phenolic Foam is Non Flammable rigid insulation foam. It is untouched by fire, When it come in contact of fire it turns dark Brown and retain its shape. Phenolic foam do not emit any toxic fumes or gases.

Characteristics:

Density in (Kg/M3)	35 to 40 Kg/M3
Cell structure	Closed Cell
Thickness in mm	Pipe : 20,25,30,40,50
Dimensions	Block : 1 Mt L X 0.5 Mt W , 4'X 2'
Color	Light Green
Facing	Kraft Paper/ Aluminum Foil/ Glass Cloth/ Glass Mat/ Decorative Paper & Laminates
Temperature Range	-196 to 130 Deg C
Thermal Conductivity	0.017 W/mk
Compressive Strength	175
Water Vapor absorption	2% By Volume
Water vapor Transmission	2%
Fire Properties	Surface spread of Flame : Class 1 Fire Propagation : Class "O"
Minimum Oxygen Index %	47
Maximum Smoke Emission	Less than 5%

Application :

- Under – deck & Over deck Roof Insulation
- Pipe & Duct Insulations
- Suspended ceiling and partitioning for commercial complexes, residenstial building and hospitals.



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- Insulation of vessels, pipeline in Petro-Chemical, Fertilizers, Chemical and Pharmaceutical plant and in refineries.
 - Insulation of cold Storage and refrigeration rooms.
 - Life saving equipments like life jackets, buoyancy block and other marine equipment.
 - Insulation of refrigerated rail, surface and marine equipment and containers.
 - Insulation of high- altitude shelters
 - Ship Insulation
 - HVAC : universities, Medical facilities, offices, Airport, Underground Railway Terminals, Cinema halls, Public Arcades.

Advantages:

- Low K vlaue ($K= 0.017$ w/mk) exceptionally low thermal conductivity
- Wide service range for diverse insulation applications.
- Cost effective, due to low thermal conductivity lesser thickness can be used.
- Fire resistant not easily ignitable.
- No smoke emmision in case of fire etremely.
- Low thermal conductivity
- Self extinguishing properties.
- Low water vapour absorption.
- Keep Humidity under Control
- Corrosion and Chemical Resistant.
- Do not emit Toxic gases.
- Do not nourish mould and fungal growth.