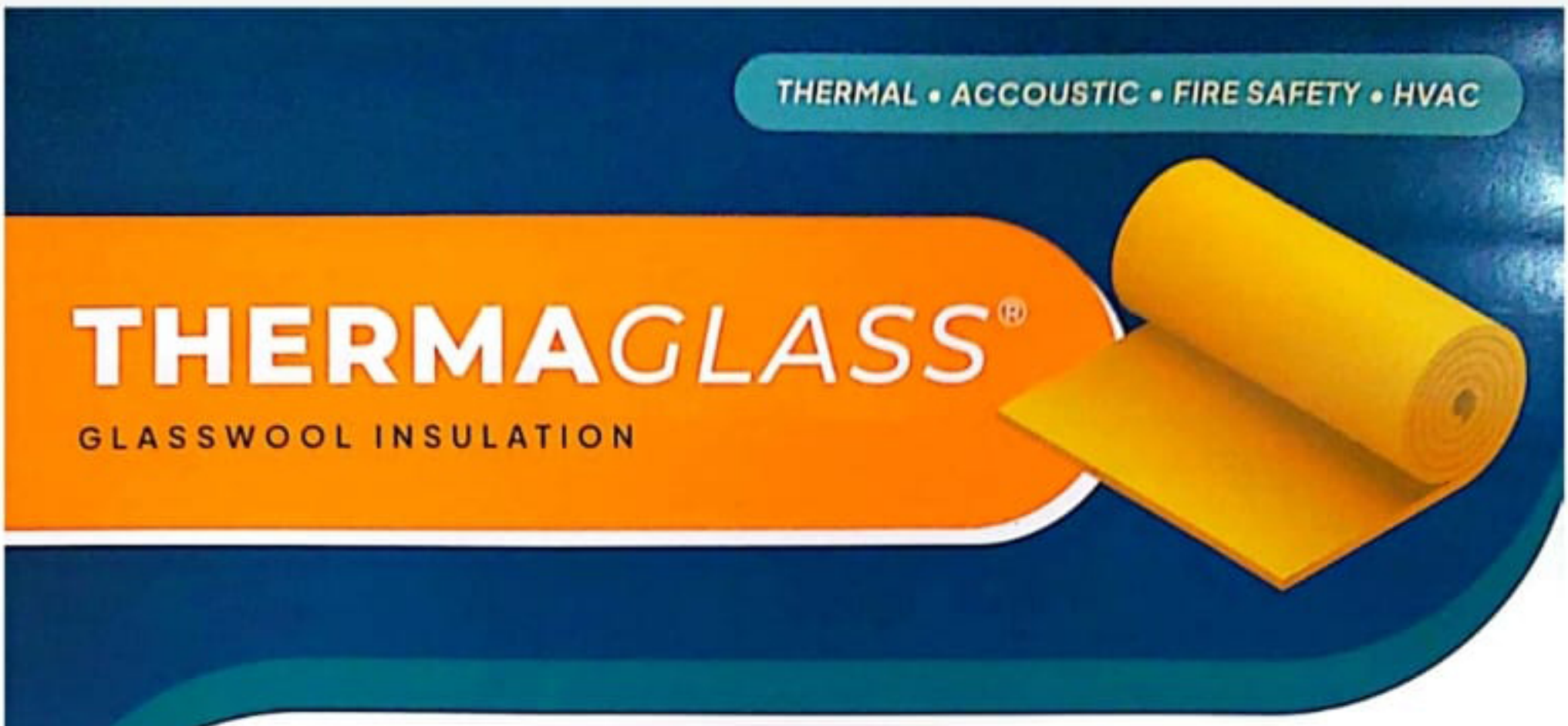


THERMAGLASS® is a mineral glass wool product that use for thermal, firesafety, HVAC and accoustic insulation. With a high quality of mineral glass wool, it will provide the best performance to achieve maximum comfort for industrial and commercial buildings.

Product Applications :

THERMAGLASS® are primaly used for thermal of roofs using metal decking, wood shingles or concrete/clay tiles roofing. THERMAGLASS® are also can be use under concrete slabs and side walls of metal building. Application in most cases, require a foil vapour barrier facing on one side. THERMAGLASS® is also designed for air distribution ductwork as a duct liner, THERMAGLASS® delivers less unwanted noise, more consistent temperature for improve energy efficiency and added product protection against microbial growth. THERMAGLASS® are designed for the insulation of commercial, industrial, institutional, and residence projects.

Acoustical Performance :

THERMAGLASS® acts as a natural and effective sound barrier. It is amongst the most effective acoustic insulation solution when sound proofing is required.

Max Service Temperature	450°C Outer foil temperature limited to 100°C	ASTM C411
Combustibility	Non-combustible	ASTM E84
Rigidity	Semi-Rigid	ASTM C1101
Shot content	Free of shot	ASTM C612
Fungi Growth	Does bit encourage fungi growth	ASTM C665
NRC Value	0.75 - 1.24	ASTM C423
Thermal Conductibility	< 0.044	ASTM C518
Moisture Absorption	less than 0.2% by volume	ASTM C533

THERMAGLASS

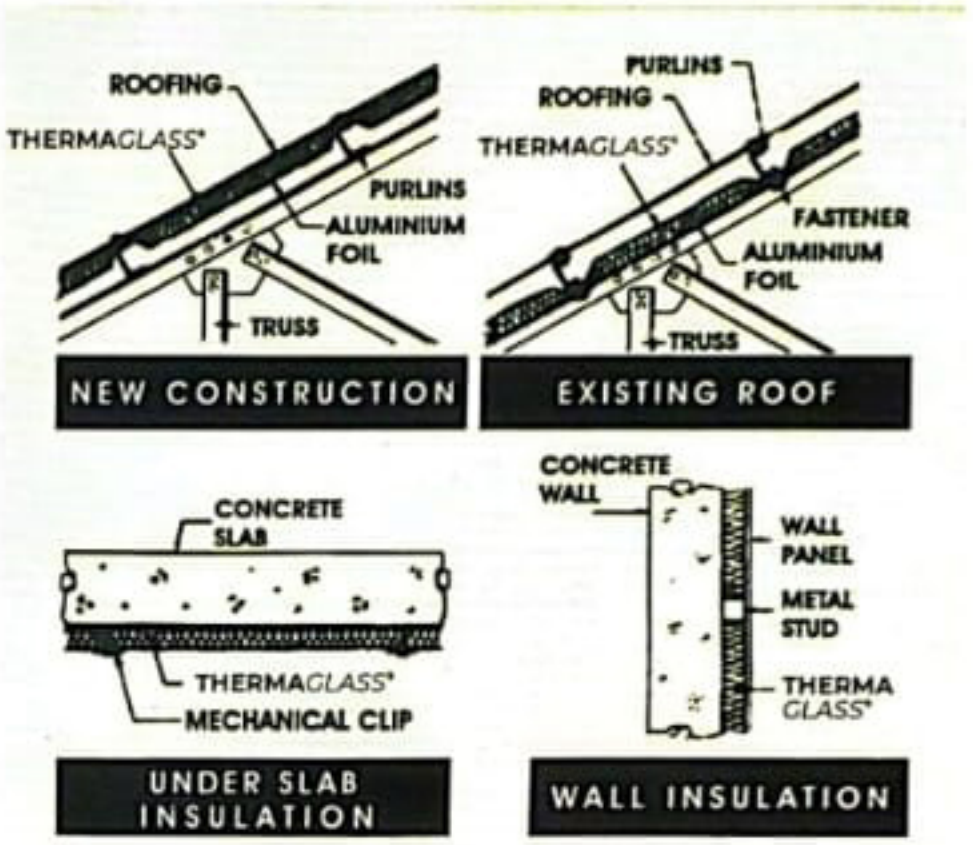
THERMAL • ACCOUSTIC • FIRE SAFETY • HVAC

Thermal Conductivity:

Complies with ASTM C518 at 20°C mean temperature. Please refer to the table on product available for more information on the thermal resistance values.

Coefficient of thermal conductivity (20°C)

Density (kg/m3)	16	24	32	48
C-Value	0.039	0.036	0.035	0.032



Application Procedure :

General

Install insulation in DRY state. Where cutting is necessary, use a sharp knife and a straight edge. Butt together firmly. Fit tightly around all roof protrusions, outlet boxes, vent pipes, etc. Fill all gaps with off-cuts to avoid heat leakage.

Metal Decking-blanket over Purlins

- Install Building Blankets beiore roofing is fixed.
- Lay blankets with faclory applied reflective aluminium foilvapour barrier over and at right angles to purlins. (Reflective surface of foils should face downwards).
- Allow sufficient slack for insulation when laying the reflective foil underneath the blanket to retain its normal thickness between purlin while still in contacl with underside of decking.
- Where purlin centers are between 700mm and 1,200mm, apply single sided lightweight reflective alumunium foil glass fibre single reinforcement, underneath the blanket
- Where purlin centers are grealer than 1,200 mm, use single sided foil cross reinforced glass fibres for better tensile strength.
- Lap at least 50mm (2") at joins and seal with 50mm (2") wide pressure sensitive alumunium foil tape such as Vapastop or approved equivalent.

Metal Decking-Blanket under the purlins

- Install insulation blanket after roofing is fixed and hydro tested
- Lay blanket with factory applied reflective aluminium foil vapour barier under and at right angles to purlins (reflective surface of foils should face downwards).
- Allow sufficient siack for insulation when fastening under the purlins.
- Fasten insulation with either steel or aluminium flat bar (25 mm width).
- Bore hole every 60 m distance and attach with selt-tapping screws.
- Lap 100 mm (4") at joints and seal with 50 mm (2") wide pressure sensitive vapour impervious aluminium foil tape.

Product Available :

Density : (Kg/m3) 16, 24, 32 , 48
**by request available*

Thickness : 25mm & 50mm

Dimention :

- Blanket with thickness 25mm= **1,2 x 30m**
- Blanket with thickness 50mm= **1,2 x 15m**
- Slab 25 & 50mm= **1,2 x 2,3m**

THERMAGLASS
GLASSWOOL INSULATION

Distributed by :