

ECOWOOL CLASSIC BLANKET

Glass Mineral Wool Insulation



DESCRIPTION

ECOWOOL CLASSIC blanket is a specifically designed glass mineral wool for fire safety, thermal and acoustical insulation. The new generation of glass mineral wool has been engineered to provide the highest level of insulation performance for building occupants to achieve the optimum level of indoor comfort deserved.

APPLICATIONS

ROOF:

Application focused, it combines cost efficiency with the highest standard of insulation performance when installed under metal deck roof or tiles roof. The insulation acts as a highly effective barrier to heat flow, keeping your building cool during hot weather and conserving the cool air indoors.

HVAC:

Recommended as a thermal insulation for the exterior of HVAC systems or other spaces or surfaces where temperature control is required. ECOWOOL CLASSIC blanket meets typical industry standards for core and tensile strength, which makes the product more resistant to damage during lamination and installation. The flexible and light weight features allow the insulation to conform easily around corners and curved surfaces and is readily cut in die presses or with a knife.

It is also designed for lining HVAC plenums and air distribution ductwork. Applied as duct liner, ECOWOOL CLASSIC blanket delivers less unwanted noise, more consistent temperatures for improved energy efficiency and added product protection against microbial growth.

PARTITION WALL:

ECOWOOL CLASSIC blanket is designed specifically for press-fit installation without the need for stapling or fastening. It can be fitted between timber or steel studs in a wall cavity application. They resist vibration or shakedown and fit readily around uneven surfaces.

ADVANTAGES

Sustainable Product. ECOWOOL CLASSIC blanket is free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture/composition content, and represent no known threat to the environment. Made from nearly 80% recycled glass and locally sourced raw materials, ECOWOOL CLASSIC blanket range of glass mineral wool is perfectly in tune with sustainability and environmental concerns.

Optimal fibre diameter. Optimal fibre diameter ranging from 4-5 micron produces more air chamber which enables the insulation to provide a better and enhanced performance.

Better fibre network. Fine, longer and evenly distributed fibre network helps in creating better tensile strength allowing the insulation to demonstrate superior durability, flexibility and feeling much softer.

Less dusty and less itchy. Specifically engineered to produce a comfortable and less dusty insulation. The insulation creates a pleasant work experience by reducing the tingling feeling during installation.

Absorbs Disturbing Sound. Exceptional sound-absorbing properties. Specially designed to reduce transmission of unwanted noise through roof and partition wall in industrial, residential and commercial buildings. The acoustic performance of the insulation material can reduce substantial amount of rain noise compared to a metal roof with no insulation.

ECOWOOL CLASSIC reduces the transmission of HVAC noises such as air turbulence, popping and cracking.

Corrosiveness. Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum due to its specifically inorganic and mineral composition.

Mould Growth. Does not encourage growth of mould, fungus, bacteria or rodents.

Water Vapor Absorption. Absorbs less than 5% by weight.

Odor Emission. Does not emit any unpleasant odor.

Alkalinity. pH9.



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FIRE PROPERTIES

Tested in accordance with (plain/unfaced) :
 • B.S. 476: Part 6 Fire propagation
 • B.S. 476: Part 7 Surface spread of flame
 • ASTM E84

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.

ACOUSTICAL PERFORMANCE

ECOWOOL CLASSIC blanket acts as a natural and effective sound barrier. It is amongst the most effective acoustic insulation solutions when sound proofing is required.*

PRODUCTS AVAILABLE

Type	K-Value (W/m K)	Thickness (mm)	Width (m)
10kg/m ³	0.0436	50, 75, 100	1.2
12kg/m ³	0.0422	50, 75, 100	1.2
14kg/m ³	0.0373	50, 75, 100	1.2
16kg/m ³	0.0370	25, 50, 75, 100	1.2
18kg/m ³	0.0360	25, 50, 75, 100	1.2
20kg/m ³	0.0350	25, 50, 75, 100	1.2
22kg/m ³	0.0347	25, 50, 75, 100	1.2
24kg/m ³	0.0344	25, 50, 75, 100	1.2
30kg/m ³	0.0335	25, 50, 75, 100	1.2
32kg/m ³	0.0333	25, 50, 75, 100	1.2
48kg/m ³	0.0312	25, 50	1.2

PRODUCTS AVAILABLE

Type	Noise Reduction Coefficient (NRC)			
	25mm	50mm	75mm	100mm
10kg/m ³	-	0.50	0.70	0.85
12kg/m ³	-	0.55	0.75	0.90
14kg/m ³	0.30	0.60	0.80	0.95
16kg/m ³	0.30	0.60	0.85	0.95
20kg/m ³	0.35	0.70	0.95	1.00
24kg/m ³	0.35	0.75	0.95	1.00
30kg/m ³	0.45	0.80	1.00	1.00
32kg/m ³	0.40	0.80	1.00	1.00
48kg/m ³	0.55	0.90	1.00	1.00

Note:

Predicted sound absorption coefficient based on flow resistivity rate tested in accordance with ASTM Standard C522-03.

FACTORY LAMINATED FACING

Available with the below type of facings:

- Woven Glass Fabric
- White Polypropylene vapour barrier film (UL Classified and FM approved)
- Single Sided Foil (FKRP/FSK)
- Double Sided Foil (FSKF)

AVAILABLE FORM

Unfaced or Plain – designed for predictable thermal insulation performance with the added benefit of being an effective sound absorption material.

Faced–designed for additional features of condensation control, vapour barrier and ZERO fibre migration. Please refer to the type of facing material available.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of the glass mineral wool insulation listed herein represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. The suitability of the product is not binding for special individual cases. Warranty and liability upon delivery shall be in accordance with our General Terms and Conditions. No responsibility is assumed for the correctness of this information. Version of 1st August 2017.

PGF Insulation Sdn. Bhd. (228905-M)

Headquarters (HQ): 2449, Lorong Perusahaan Sepuluh, Kawasan Perusahaan Perai,
 13600 Perai, Penang, Malaysia.
 Tel : +604 390 8460
 Fax : +604 399 6197
 E-mail : sales@ecowool.com.my

KL Office: 46-2, Block D, Zenith Corporate Park, Jln SS7/26,
 47301 Petaling Jaya, Selangor D.E., Malaysia.
 Tel : +603 7886 0074
 Fax : +603 7886 0077
 E-mail : sales@ecowool.com.my