

ECOWOOL™ CLASSIC BLANKET



DESCRIPTION

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

Once installed, the insulation blanket acts as an effective barrier to heat flow, keeping your building cool during hot weather and conserving the cool air indoors.

APPLICATIONS

ECOWOOL™ CLASSIC blanket is installed under metal deck roof or clay tiles roof.

ADVANTAGES

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

Sustainable Product. PGF Insulation uses no ozone depleting products (ODP) in manufacture and has low volatile organic compounds (VOCs) content.

Optimal fibre diameter. Optimal fibre diameter ranging from 4-5micron 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. Designed to reduce transmission of unwanted noise through roof in industrial 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.

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

Alkalinity. pH 9.

Water Vapor Absorption. Absorbs less than 5% by weight

Odor Emission. Does not emit any unpleasant odor.

FIRE PROPERTIES

Tested in accordance with:

- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- BOMBA Class "0"

MS1020:2010 CERTIFIED

ECOWOOL™ CLASSIC is MS1020:2010 compliant product. The certification is accredited by SIRIM QAS.

CIDB CERTIFIED

ECOWOOL™ CLASSIC is certified by CIDB according to Section VIIA CIDB Act (2011 Amendment). Please contact PGF Insulation representative for further information.



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THERMAL CONDUCTIVITY

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

Type	Density (kg/m ³)	K- Value (W/m K)	R- Value (m ² K/W)
EWBL 1.10	10	0.0446	1.10

ACOUSTICAL PERFORMANCE

Not only an effective thermal insulation, ECOWOOL™ CLASSIC blanket acts as a natural and effective sound barrier. ECOWOOL™ CLASSIC blanket is amongst the most effective acoustic insulation solutions when sound proofing is required.

TYPE	Center Frequency (Hz)						NRC
	125	250	500	1000	2000	4000	
EWBL 1.10	0.20	0.35	0.45	0.45	0.65	0.75	0.50

PRODUCT AVAILABLE

Type	Density (kg/m ³)	Thickness (mm)	Width (m)	Length (m)
EWBL 1.10	10	50	1.2	30

AVAILABLE FORM

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

SHORT FORM SPECIFICATION

All glass mineral wool insulation shown on drawings or specified herein shall be ECOWOOL™ CLASSIC with the approved thickness of thickness of 50mm and density of 10kg/m³.

Thermal resistance “R-Value” of the insulation shall be R 1.10.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of the fire safety, thermal and acoustic 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.

PGF Insulation Sdn. Bhd. (228905-M)

Penang Office: 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, Jalan SS7/26, 47301 Petaling Jaya, Selangor Darul Ehsan, Malaysia
 Tel: +603 7886 0074 Fax: +603 7886 0077
 E-mail: sales@ecowool.com.my