

ECOWOOL® Classic blanket

ECOWOOL® Classic blanket is specifically designed to provide superior fire resistance, acoustical and thermal insulation properties for roofing application that allows building occupants to experience the best of indoor comfort. Once installed, the insulation blanket acts as an effective barrier to heat flow, keeping your building cool during hot weather.

Made from up to 80% recycled glass and locally sourced raw materials, ECOWOOL® range of glass mineral wool is perfectly in tune with sustainability and environmental concerns.

APPLICATION

ECOWOOL® Classic blanket is installed under metal deck roof or clay tiles roof.

FEATURES AND BENEFITS

Mould-free. Does not encourage growth of mould, fungus or bacteria. Tested in accordance with ASTM C1338-08.

Sustainable product. ECOWOOL® Classic roof blanket is free from CFCs, HCFCs and any material with ozone depletion potential (ODP) in their manufacture/composition content, which are harmless to the environment. ECOWOOL® Classic roof blanket is compliant with most green rating tools including ODP emission credit requirements. Air quality is unaffected with total volatile organic compound (VOC) emissions below quantifiable levels.

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 dust and less itch. 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.

Non-corrosive. Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminium due to its specifically inorganic and mineral composition. Tested in accordance to ASTM1338-08.

Alkalinity. pH 9.

Low water vapour absorption. Absorbs <0.2% by volume.

Zero odour emission. Does not emit any unpleasant odor.

Hypoallergenic. Unlikely to cause an allergic reaction.

Maximum service temperature. Can be manufactured to withstand temperatures of up to 450°C. Tested in accordance with ASTM C411-17& ASTM C447-15.

Classic



CERTIFICATIONS

MS1020:2010 certified. ECOWOOL® Classic blanket is MS1020:2010 compliant product. The certification is accredited by SIRIM QAS.

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

PERFORMANCE

Fire safety properties. Tested in accordance with:

- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- BOMBA Class “O”

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)						
	125	250	500	1000	2000	4000	NRC
EWBL 1.10	0.20	0.35	0.45	0.45	0.65	0.75	0.50
EWBL 1.55	0.20	0.60	0.80	0.85	0.95	0.90	0.80

PRODUCT AVAILABILITY

Type	Density (kg/m ³)	K-Value (W/m K)	R-Value (m ² K/W)	Thickness (mm)	Width (m)	Length (m)
EWBL 1.10	10	0.0432	1.16	50	1.2	30
EWBL 1.55	40	0.0317	1.58	50	1.2	10

Tested to mean temperature of 20°C

AVAILABLE FORM

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

Customised product is available subject to minimum order quantity. Please contact PGF Insulation representative for more information.

SHORT FORM SPECIFICATION

All glass mineral wool insulation shown on drawings or specified herein shall be ECOWOOL® Classic blanket EWBL _____ with the approved thickness of 50mm and density of ____ kg/m³.

WARRANTY

This product is covered by a 70 years product warranty.

For Unfaced or Plain Product only.

For full details, please go to www.ecowool.com.my

* Terms & conditions apply.



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. 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.