

ECOWOOL® Brownie V2 roof blanket

ECOWOOL® BROWNIE V2 roof blanket, the environmentally friendly range of ECOWOOL® glass mineral wool insulation, manufactured by PGF Insulation is made for fire safety, thermal and acoustic insulation application. It is manufactured using up to 80% of recycled glass and incorporates the new SensiTouch Technology, featuring an improvised version of the binding technology of ECOWOOL® BROWNIE V2. The glass mineral wool insulation blanket range covers multiple densities, thicknesses and dimensions to suit typical construction applications and to fulfil a broad spectrum of building requirements.

Once installed, ECOWOOL® BROWNIE V2 roof blanket acts as a highly effective barrier to heat flow, keeping your building warm during cold weather and cool during hot weather. It combines cost efficiency with the highest standard of insulation performance when installed in the buildings.

SensiTouch TECHNOLOGY

Ultra low VOC (volatile organic compound) emission. Innovative new binding technology that incorporates a natural anti-formaldehyde ingredient and is ultra low in VOC. Compliant with Singapore Green Building Council (SGBC) and Environmental Choice TVOC and Formaldehyde emission criteria. Tested in accordance with ISO 16000-9:2006.

Firm product for an ease of installation. Exceptional stiffness and recovery characteristics, making it a preferred choice for the insulation installers out there.

Soft touch less itch. New binder formula with improvised manufacturing technology that produces skin-friendly fibres to minimize allergic reaction during product handling and installation.



APPLICATION

Application focused, it combines cost efficiency with the highest standard of insulation performance when installed under metal deck roof or clay 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.

FEATURES AND BENEFITS

Improves indoor air quality. SensiTouch technology incorporate with natural anti-formaldehyde binder reduces the overall formaldehyde expose. Satisfying the growing indoor air quality (IAQ) needs.

Sustainable product. PGF Insulation is committed to providing environmentally sustainable products. ECOWOOL® BROWNIE V2 roof 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, the glass mineral wool insulation is perfectly in tune with sustainability and environmental concerns.

Optimal fibre diameter. Optimal fibre diameter produces more air chamber which enables the insulation to provide a better and enhanced performance.

Brownie



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. Exceptional sound-absorbing properties. Specially designed to reduce transmission of unwanted noise through roof in industrial, residential and commercial buildings. Tested in accordance with ISO 140-3:1995. Please contact PGF Insulation sales representative for more information on the transmission loss for metal deck roof system.

Non-corrosive. Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum due to its inorganic and mineral composition. Tested in accordance with ASTM C665-12.

Mould-free. Does not encourage growth of mould, fungus, bacteria. Tested in accordance with ASTM C1338-14.

Low water vapour absorption. Absorbs <0.2% by volume. Tested in accordance with ASTM C1104.

Zero-odour emission. Does not emit any unpleasant odour. Tested in accordance with ASTM C1304.

Alkalinity. pH 9.

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.

CERTIFICATIONS

MS1020:2010 certified. ECOWOOL® BROWNIE V2 roof blanket is MS1020:2010 compliant product. The certification is accredited by SIRIM QAS.

CIDB certified. ECOWOOL® BROWNIE V2 roof blanket is certified by CIDB according to CIDB Act 520. Please contact PGF Insulation representative for further information.

PERFORMANCE

Fire safety properties. Tested in accordance with:

- BOMBA Class "O"
- B.S. 476: Part 4 Non-combustibility
- B.S. 476: Part 6 Fire propagation
- B.S. 476: Part 7 Surface spread of flame
- ASTM E84

Acoustical performance. Not only an effective thermal insulation, ECOWOOL® BROWNIE V2 Roof blanket acts as a natural and effective sound barrier. Designed to reduce transmission of unwanted noise through roof in industrial, residential and commercial buildings, it is effective at blocking airborne noise. Tested in accordance with ISO 140-3:1995.

Please contact PGF Insulation sales representative for more information on the transmission loss for metal deck roof system.

PRODUCT AVAILABILITY

Type	Density (kg/m³)	K-Value (W/m K)	R-Value (m²k/w)	Thickness (mm)	Width (m)	Length (m)
EWBL 1.35	16	0.0366	1.35	50	1.2	15
EWBL 1.45	24	0.0342	1.45	50	1.2	12
EWBL 1.50	32	0.0327	1.50	50	1.2	10
EWBL 1.60	48	0.0309	1.60	50	1.2	7.5
EWBL 2.00	16	0.0366	2.00	75	1.2	10
EWBL 2.30	16	0.0366	2.30	85	1.2	10
EWBL 2.70	16	0.0366	2.70	100	1.2	10

Note: 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

Insulation material shown on drawings or specified herein shall be of approved, _____ mm thick ECOWOOL® BROWNIE V2 roof blanket EWBL _____ (kg/m³) glass mineral wool insulation.

BROWNIE V2 glass mineral wool insulation shall be certified to MS1020:2010. The insulation material shall be non-combustible, tested and comply with BS 476 : Part 4 :1970.

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.