

ECOWOOL CLASSIC BLANKET

ECOWOOL Classic blanket, manufactured in partnership with PGF Insulation (PGF) is intended for fire safety, thermal and acoustic insulation application. 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. The insulation blanket range encompasses multiple densities, thicknesses and dimensions to standard constructions and to satisfy a broad spectrum of building requirements.

AS/NZS 4859.1:2002 COMPLIANT

All ECOWOOL Classic products have received Third Party Product Certification that they comply with AS/NZS 4859.1. This independent assurance gives you peace of mind that you are fulfilling all your obligations as required under the Building Code of Australia.

SUSTAINABLE PRODUCT

ECOWOOL is committed to providing environmentally sustainable products. 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, the insulation blanket is perfectly in tune with sustainability and environmental concerns.

APPLICATION

ROOF

ECOWOOL Classic blanket is designed to be used in residential and commercial metal or tile roof and under concrete slabs/soffits. It provides excellent thermal and acoustic properties by reducing heat loads entering a building and minimising the internal reverberation and flow of air borne noise generated from adjacent buildings/ rooms or the external environment.

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, it 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 and ceiling system applications. They resist vibration or shakedown and fit readily around uneven surfaces



sustainable | recycled | ecofriendly



FIRE HAZARD PROPERTIES

ECOWOOL Classic achieved the following Early Fire Hazard Performance Indices of; Ignitability 0, Spread of Flame 0, Heat Evolved 0, Smoke Developed 0-1, in accordance with AS/NZS 1530.3 : 1999.

COMBUSTIBILITY PROPERTIES

Inherently non-combustible and therefore the wall batts won't burn if exposed to fire. ECOWOOL Classic is non-combustible when tested in accordance with :

- AS/NZS1530 Part 1: 1994

SURFACE BURNING CHARACTERISTICS

Meets the surface burning characteristics and limited combustibility of the following standard:

- ASTM E84

THERMAL PERFORMANCE

The thermal resistance value was determined at mean temperature of 23°C as per AS/NZS 4859.1:2002/Amdt 1:2006. This assures users the products deliver the specified thermal resistance which contribute to the operational efficiencies of the building. Please refer to the table on 'Product Available' for more information on the thermal resistance value.

ACOUSTICAL PERFORMANCE

The National Construction Code (NCC) has adopted the Weighted Sound Reduction Index (Rw) as a measure of the sound isolating properties of building elements. A building system with a higher Rw rating isolates sound better than a system with a lower Rw rating. ECOWOOL Classic blanket act as a natural and effective sound barrier. It minimizes sound transfer and achieves excellent Rw ratings. Please contact one of our ECOWOOL Insulation representatives for further information relating to the acoustic performance.

BUSHFIRE ATTACK LEVEL (BAL)

ECOWOOL Classic blanket is suitable for sealing ember entry points at valleys, ridges and fascia's whilst the available facings comply with BCA flammability index requirement of ≤ 5

ADVANTAGES

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.

Optimal fibre diameter. Optimal fibre diameter ranging 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.

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. Hydrogen ion concentration at pH 9. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum. Tested in accordance with ASTM C665-12.

Odor Emission. Does not emit any unpleasant odor.

Water Vapor Absorption. Absorbs less than 5% by weight. Tested in accordance with ASTM C1104

Maximum service temperature. Maximum service temperature of 350°C.

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

PRODUCT AVAILABLE

R- Value (m ² K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area Per Roll (m ²)
R1.3	55	1200	15	18.00

PRODUCT WARRANTY

This product is covered by a 70 year product warranty. For full details, please go to www.ecowoolinsulation.com.au. Terms & Conditions apply



SPECIFICATION NOTES

Insulation material shown on drawings or specified herein shall be of approved, R1.30, 50mm thick ECOWOOL glass mineral wool insulation. The glass mineral wool insulation shall be certified to AS/NZS 4859.1. and shall be non-combustible, tested and comply with AS/NZS1530 Part 1: 1994.

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)
- 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 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. 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 July 2018.