

## ECOWOOL ROOFING BLANKET

ECOWOOL Roofing Blanket, is a light weight, reflective foil faced insulation blanket, designed for fire safety, thermal and acoustic insulation application. Our ECOWOOL Roofing Blanket is the most effective way to control temperature and will assist in meeting energy efficiency requirements as set out in the Building Code of Australia.



ECOWOOL Roofing blanket is designed to be used in both residential and commercial metal or tile roof systems, and under concrete slabs/soffits. The blanket dramatically slows the transfer of heat into and out of your home while also absorbing outside noise, while the reflective foil shields against radiant heat from entering the roof cavity and also controls condensation.

## KEY PERFORMANCE

THERMAL INSULATION	Keeping your home warmer in winter and cooler and summer
ACOUSTIC INSULATION	Exceptional sound-absorbing properties, specially designed to reduce transmission of unwanted noise
FIRE PROTECTION	Made from non-combustible glass mineral wool and complies with BCA flammability index requirement of $\leq 5$
CONDENSATION CONTROL	Reduces the risk of condensation formations which can cause damage to plasterboard ceiling and mould growth

## 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.

**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.

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

**Corrosiveness.** Chemically inert. Hydrogen on concentration at pH9. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum. Tested in accordance with ASTM C665-12.

**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.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Product facings may vary. 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 1<sup>st</sup> October 2018.

### AS/NZS 4859.1:2018 COMPLIANT

All ECOWOOL 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 Roofing Blanket is made from nearly 80% recycled glass and locally sourced raw materials, the insulation blanket is perfectly in tune with sustainability and environmental concerns.

### THERMAL PERFORMANCE

The thermal resistance value was determined at mean temperature of 23°C as per AS/NZS 4859.1:2018/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.

### BUSHFIRE ATTACK LEVEL (BAL)

ECOWOOL Roofing 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

### FIRE HAZARD PROPERTIES

ECOWOOL Roofing Blanket 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.

### SURFACE BURNING CHARACTERISTICS

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

- ASTM E84

### 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 Roofing 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.

### BIOSOLUBILITY

Ecwool is manufactured with bio-soluble fibers creating a low allergen product that is safe to use in any residential , commercial or industrial application. Bio-soluble fibres have been extensively researched and shown to pose no long term health risks.

## PRODUCTS DETAILS

R- Value (m <sup>2</sup> K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area Per Pack (m <sup>2</sup> )
R 1.3 (HD)	55	1200	15	18.0
R 1.8 (HD)	75	1200	15	18.0

### HEALTH AND SAFETY

Ecwool is manufactured with bio-soluble fibers creating a low allergen product that is safe to use in any residential , commercial or industrial application.

### SPECIFICATION NOTES

Insulation material shown on drawings or specified herein shall be of ECOWOOL Roofing Blanket, Material R-value of R \_\_\_\_ m<sup>2</sup>K/W (specify Material R-value) at a nominal thickness of \_\_\_\_mm (specify nominal thickness).



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