

Ecwool CondenShield BLANKET

Ecwool CondenShield blanket is a light weight, reflective foil faced insulation blanket, designed for fire safety, thermal and acoustic insulation application. Our Ecwool CondenShield blanket provides an effective solution to control temperature and will assist in meeting energy efficiency requirements as set out in the Building Code of Australia.

Ecwool CondenShield blanket is designed to be used in both residential and commercial metal or tile roof systems, and under concrete slabs/soffits. The blanket effectively 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 in 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 ≤ 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 ion 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. When tested in accordance with ASTM C1104, this product has been determined to be $<0.02\%$ by volume.

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.

AS/NZS 4859.1:2018 COMPLIANT

All Ecowool products have received Third Party Product Certification that they comply with AS/NZS 4859.1. 2018 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 CondenShield 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. 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 CondenShield 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

The glass wool for Ecowool CondenBreak blanket achieved the following Early Fire Hazard Performance Indices of; Ignitability Index 0, Spread of Flame Index 0, Heat Evolved Index 0, Smoke Developed Index 0-1, in accordance with AS/NZS 1530.3: 1999.

Note: only applicable for the glass wool

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 CondenShield Blanket acts as a natural and effective sound barrier. It minimizes sound transfer and achieves excellent Rw ratings. Please contact one of our PGF Insulation representatives for further information relating to the acoustic performance.

R-value (m ² K W)	Thickness (mm)	Width (mm)	Length (mm)	Area Per Pack (m ²)	Rolls per bale	Product Code
CondenShield 60 R1.3	60	1200	15	18.0	7	631007
CondenShield 80 R1.8	80	1200	15	18.0	5	631008
CondenShield 130 R3.6	130	1200	6.5	6.0	5	631009

HEALTH AND SAFETY

Ecowool 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 CondenShield Blanket, Material R-value of R _____ m2K/W (specify Material R-value) at a nominal thickness of _____mm (specify nominal thickness).

BIOSOLUBILITY

Ecowool 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.

