THERMO BATTS

INSULATION FOR THE NEXT GENERATION

THERMOROOF BLANKET DATASHEET

ThermoRoof Blanket is a premium, lightweight insulation product featuring a reflective Poly weave foil face. It is suitable for both commercial and residential applications, including homes and sheds. It is designed to ensure fire safety while providing effective thermal and acoustic insulation. This blanket significantly slows the transfer of heat in and out of your home or shed while also absorbing external noise. The reflective foil protects against radiant heat entering the roof cavity and helps control condensation. Using the ThermoRoof Blanket will assist you in meeting the energy efficiency requirements specified in the Australian Building Code.

ESSENTIAL PERFORMANCE

Thermal Performance - Maintaining a comfortable home temperature during winter and summer.

Acoustic Insulation - Outstanding sound-absorbing qualities, specifically engineered to minimise the transmission of undesirable noise.

Condensation Control - Minimises the likelihood of condensation forming which can lead to damage on plasterboard ceilings and the growth of mould.

Fire Protection - Meets AS/NZS 1530.3, while the Glasswool component complies with AS/NZS 1530.1 for non-combustibility. The reflective foil facing component satisfies AS/NZS 1530.2 flammability index requirements, with a rating of ≤ 5.

KEY ADVANTAGES

Easier to install: Designed for straightforward installation, this feature minimises labor time and costs while offering long-lasting advantages.

AS/NZS 4859.1:2018 Compliant: All ThermoRoof products have achieved Third Party Certification that they meet the requirements of AS/NZS 4859.1:2018. This independent verification guarantees that you fulfill all essential requirements under the Building Code of Australia, giving you confidence and peace of mind.

Thermal Performance: These products deliver excellent energy efficiency for buildings, keeping them cool in summer and warm in winter. The thermal resistance value was evaluated at a mean temperature of 23˚C, following AS/NZS 4859.1:2018/Amdt 1:2006. This guarantees that users can depend on the products to deliver the required thermal resistance, thereby enhancing the building's operational efficiency.

Acoustic Performance: Significantly decreases unwanted external noise within a building, creating a more enjoyable living and working environment. ThermoRoof blankets serve as a natural and efficient sound barrier, reducing sound transfer and achieving outstanding Rw ratings.

Bushfire Attack Level (BAL): Suitable for sealing ember entry points at valleys, ridges and fascia's whilst the available facings comply with BCA flammability index requirement of ≤ 5

Sustainable Product: ThermoRoof is crafted from almost 80% recycled glass and locally sourced materials, making it an ideal choice that aligns seamlessly with sustainability and environmental objectives.

Cost-Effective: This product integrates two efficient forms of insulation into one solution, helping you save both time and money on your overall construction project.

Mould Growth: This product does not promote the growth of mould, fungus, bacteria, or rodents.

Corrosiveness: Chemically inert. Hydrogen in concentration at pH 6~7 and will not cause or accelerate corrosion in steel, stainless steel, copper, or aluminum.

Maximum service temperature: Maximum service temperature of 150˚C for unfaced Glasswool and 70˚C for faced Glasswool.

Optimal Fibre Diameter: The optimal fibre diameter generates additional air chambers, enabling the insulation to provide superior and enhanced performance.

Enhanced Fibre Network: A more refined, longer, and evenly spread fiber network enhances tensile strength, allowing the insulation to display remarkable durability, flexibility, and a noticeably softer feel.

Specification Notes: Insulation material shown on drawings or specified herein shall be of ThermoRoof Blanket, Material R-value of R _____ m²K/W (specify Material R-value) at a nominal thickness of _____mm (specify nominal thickness)

R-Value (m²K/W)	Thickness (mm)	Width (m)	Length (m)	Area per Pack (m²)	Product Code
ThermoRoof 55 R1.3 (HD)	55	1.2	15	18.0	850001
ThermoRoof 75 R1.8 (HD)	75	1.2	15	18.0	850004