



May 2017

Space Blanket®

Description

Space Blanket® is intended for both thermal and acoustical applications and has a heavy duty foil facing. It is made using recycled glass and with ECOSE® Technology, a revolutionary binder based on rapidly renewable materials instead of petro-based chemicals. ECOSE Technology reduces binder embodied energy and contains no added phenol, formaldehyde, acrylics or artificial colours.

Application

Space Blanket provides a cost-effective thermal and acoustical barrier for energy-efficient construction. The consistent quality, low dust, and clean-cutting resilient glassool makes fabrication easy and installation fast. Space Blanket can be used in new and retrofit applications in residential and commercial structures, as well as in off or on-site manufactured housing. These applications include thermal and acoustical treatments to metal and tiled roofs.

Performance

Thermal Conductivity

ASTM C 518 and AS/NZS 4859.1: 2002.

Thermal Resistance

ASTM C 653 and AS/NZS 4859.1: 2002.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Hazard Properties (AS/NZS 1530.3)

- Ignitability: 0, Spread of flame: 0,
Heat Evolved: 0, Smoke Developed: 0-1.

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Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Bio-solubility

The formulation used for Earthwool® insulation has been independently assessed to meet the requirements of the stringent Note Q standard (and is therefore consistent with the highest Australian and New Zealand industry standards), and also assessed by Knauf Insulation against the criteria of the Australian Safety and Compensation Council ASCC Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 3rd Edition]. As a result of this assessment, Earthwool insulation is not classified as hazardous according to the NOHSC criteria.

Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission when properly installed in roof systems.
- Foil-faced roofing rolls provide condensation control.

Durability

- Space Blanket® is odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Space Blanket rolls are packaged in a strong polybag that offers excellent protection from abuse, dust and moisture.

Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Knauf Insulation's Earthwool® insulation products with ECOSE® Technology benefit from a formaldehyde-free binder based on rapidly renewable materials instead of petro-based chemicals which is up to 70% less energy intensive. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Earthwool insulation products made with ECOSE Technology contain no dye or artificial colours – the colour is completely natural.

Specification Guide

The roof insulation shall be Space Blanket R*, *mm thick, BRANZ appraised to meet the provisions of the BCA. The product will be non-combustible, CFC/HCFC free, zero ODP and GWP, Global GreenTag Cert™ Level A certified, glasswool insulation with high post-consumer recycled glass content and with ECOSE® Technology. It will be manufactured under Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 by Knauf Insulation and shall be installed in accordance with the instructions issued by them.

*architect to insert details of products used.

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Thickness (mm)	R-Value (m ² K/W)	Width (mm)	Length (mm)	Pieces per Pack	Area per Pack (m ²)
55	1.3	1200	15000	1	18
75	1.8	1200	10000	1	12

All faced products can be supplied cut-to-length. Products are AS/NZS 4859.1 compliant.



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