

KNAUF INSULATION ROOF BLANKET

February 2025

Applications



Description

Knauf Insulation Roof blanket (unfaced) provides thermal and acoustic insulation for commercial roofs. Condensation control can be achieved when the product is faced with foil of the appropriate duty classification. Knauf Insulation Roof blanket (unfaced) will improve the thermal comfort and energy efficiency of the building in which it has been installed thus keeping it cool in summer and warm in winter.

The super-soft and easy to handle benefits of Knauf Insulation glasswool have been further enhanced with TwinTech®. TwinTech® heralds another advancement insulation manufacture – the dual forming technique ensures there is a smooth finish on both sides of the insulation, which improves product handling and appearance. Knauf Insulation glasswool is made using up to 80% recycled glass and with ECOSE® Technology, a plant-based binder that contains no added formaldehyde.



Performance

| | |
|--|--|
| Thermal | R4.2 - 0.041 (W/mK) |
| Fire Hazard Properties (AS/NZ 1530.3) | Ignitability: 0 Spread of Flame: 0 Heat Evolved: 0 Smoke Developed: 2-3 |
| Water Vapour Absorption | Less than 5% by weight |
| Microbial Growth | Does not support microbial growth |
| Corrosion Resistance | No greater than sterile cotton |
| Combustibility (AS 1530.1) | Non-combustible |

Benefits

- ✓ TwinTech® - smooth finish on both sides
- ✓ High thermal performance - year round comfort
- ✓ Sound absorbing
- ✓ Non-combustible
- ✓ Saves energy - lower energy bills
- ✓ No added formaldehyde
- ✓ Soft to handle and install
- ✓ Compression packed - more product per pack
- ✓ Odourless

Certifications



Please scan the QR Code to view the complete list of certifications on our website.

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Specifications

| Product Code | R-Value (m ² K/W) | Thermal Conductivity (W/mK) | Thickness (mm) | Width (mm) | Length (mm) | Area per pack (m ²) | Pieces per pack |
|--------------|------------------------------|-----------------------------|----------------|------------|-------------|---------------------------------|-----------------|
| 844880 | 4.2 | 0.041 | 175 | 1200 | 5700 | 6.84 | 1 |

**All dimensions are nominal.*

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Additional Information

Specification Compliance

AS 1530.1 Method of Fire Testing on Building Materials. AS 1530.3 Early fire Hazard Properties. Knauf Insulation Roof blanket (unfaced) will contribute to compliance with the National Construction Code (NCC) requirements.

Specification Guide

The insulation shall be Knauf Insulation Roof blanket (unfaced), R* or *kg/m³, *mm thick. The product will be non-combustible, Red List Free as labelled by Declare, Global GreenTag^{Cert™} GreenRate™ 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.

Bio-solubility

The formulation used for Knauf Insulation Roof blanket (unfaced) 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 Safe Work Australia (SWA). Knauf Insulation glasswool is classified as a non-hazardous substance in line with the NOHSC: 1008 3rd Edition.

Environmental

Knauf Insulation Roof blanket (unfaced) represents no known threat to the environment and comes with Global GreenTag^{Cert™} GreenRate™ Level A Certification, Declare label and a certified Environmental Product Declaration. Knauf Insulation glasswool has low VOC and benefits from ECOSE® Technology.



Earthwool® products made with ECOSE® Technology benefit from a no added formaldehyde binder, which is less energy intensive than traditional binders and is based on rapidly renewable, plant-based materials instead of petro-based chemicals. 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® products made with ECOSE® Technology contain no added dyes or artificial colours.

Ecolife Solutions

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