

HIGH PERFORMANCE INSULATION SOLUTIONS FOR METAL ROOFS

Metal Roofing Roll
Safe and Sustainable Insulation Solutions



REDUCES
ENERGY BILLS



MADE WITH
RECYCLED GLASS



SUSTAINABLE



NON
COMBUSTIBLE



THERMAL
PERFORMANCE



ACOUSTIC
PERFORMANCE



SOFT
HANDLING

KNAUFINSULATION

Build on us.

Innovation and production made possible by the largest and most advanced manufacturing facility in Malaysia.



Plant size
40+ acres
(164,400 m²)

Production since
April 2021

Employees
230+

SOLUTIONS SPECIFIC TO MALAYSIA AND SINGAPORE

Recognising Malaysia and Singapore's unique climate and insulation needs, Knauf Insulation is attuned to both countries' tropical environment and specific construction demands.

Our products are tailored to efficiently address the specific climatic conditions of Malaysia and Singapore, emphasising sustainability and lightweight solutions that surpass conventional insulation standards.

This comprehensive range ensures optimal thermal comfort and energy efficiency, meeting specific requirements of the commercial and industrial sectors, for new and existing buildings.



KNAUF

KNAUF INSULATION IS PART OF THE KNAUF GROUP, A GLOBAL MARKET LEADER IN THE FIELD OF SUSTAINABLE LIGHTWEIGHT CONSTRUCTION.



Knauf Group

€ 15.4 bn (2022)
turnover

+41,500
employees worldwide

300
plants & offices

+90
countries

Knauf Insulation

€ 2.5 bn (2022)
turnover

+6,000
employees worldwide

28
plants & offices

+40
countries

KNAUF INSULATION GLASSWOOL PRODUCTS MEET STRINGENT PERFORMANCE STANDARDS AND ARE CERTIFIED BY INDUSTRY-RECOGNISED BODIES TO GIVE CONFIDENCE FOR USE IN HIGH PERFORMANCE BUILDINGS.

Global Expertise



EUCEB Certified

All of our products are EUCEB certified demonstrating that they are bio-soluble and are safe to use.



EUROFINS Gold Certificate for Indoor Air Comfort

Our products have been awarded the Eurofins Gold Certificate for Indoor Air Comfort which is designed to demonstrate products with the best-in-class low levels of Volatile Organic Compound (VOC) emissions.

Certified Declare Red List Free

Declare.

The Declare label on our products demonstrates our commitment to transparency and is provided for products which declare 99.99% of their ingredients.



The Red List Free label confirms that no ingredients are added to our products which are on the Living Building Challenge (LBC) Red List of "worst in class" materials, chemicals and elements known to pose risks to human health.



GreenTag™ GreenRate - Level A Certified

Knauf Insulation glasswool products have been awarded GreenRate™ Level A certification, demonstrating they meet the toughest standards for health, eco performance and safety.



ILAC Mutual Recognition Arrangement

Knauf Insulation's laboratory in Malaysia is accredited under the ILAC Mutual Recognition Arrangement (ILAC MRA), demonstrating its technical competency in accordance with MS ISO/IEC 17025:2017, on thermal conductivity measurement.



This accreditation ensures the consistent delivery of technically valid test results and calibrations from the laboratory.

Product Certification and Achievements



To learn more about product certification, visit knaufinsulation.com.my/certifications, knaufinsulation.com.sg/certifications

Advanced Technology



ECOSE® Technology

Up to 70% less upfront embodied carbon than traditional binders.



TwinTech® Technology

Advanced dual-forming provides a high quality smooth finish on both sides.



DriTherm® Technology

A water-repellent additive designed to resist moisture and enhance durability in damp and humid conditions.

FEATURES AND BENEFITS OF KNAUF INSULATION GLASSWOOL

FROM MANUFACTURE TO INSTALLATION, THERE IS INNOVATION AT EVERY STAGE.

KNAUFINSULATION



THERMALLY EFFICIENT

The **thermal properties** of Knauf Insulation glasswool products act as a barrier to the outside elements to limit heat loss in winter and heat gain in summer through your walls, ceiling and floor. Buildings stay at a comfortable temperature all year-round.



MADE USING RECYCLED GLASS

Our insulation is made from **up to 80% recycled glass**. Our new generation furnace uses more grades of glass than traditional glasswool furnaces, taking more waste out of our environment.



ECOSE® Technology is a sustainable, bio-based binder with **no added formaldehyde**. The natural, earthy brown colour comes from no added dyes or colours.



COST SAVING

By insulating a building properly, energy can be saved from the air-conditioning system when cooling a warm building. Knauf Insulation glasswool **saves energy and saves money**.



NON-COMBUSTIBLE

Knauf Insulation glasswool is certified as **non-combustible** and will not contribute to fire spread.

Tested in accordance with:
 · B.S. 476: Part 4 Non-combustibility, and BOMBA Class '0'
 · B.S. 476: Part 7 Surface spread of flame
 · B.S. 476: Part 6 Fire propagation



SOUND ABSORBING

Knauf Insulation glasswool products will improve the **acoustic performance** of the building in which they have been installed by absorbing the transfer of unwanted noise from external sources and between adjoining rooms, helping to create a peaceful and quiet buildings.



LOW VOCs

Knauf Insulation glasswool is supported by **Eurofins Indoor Air Comfort Gold** as an 'outstanding material' according to low VOC (Volatile organic compounds) and Indoor Air Quality Emissions certification.



WATER REPELLENT

Engineered for longevity - Our **DriTherm® Technology** boasts **silicone treatment**, designed to resist moisture, particularly important in humid climates.



EASY TO HANDLE

Our insulation is **super-soft**, making it easier to cut and install. There's no odour, less dust and less itch than conventional glasswool insulation.



WORLD LEADING MANUFACTURING

Produced in our **state-of-the-art manufacturing facility** to the highest standards of quality, certified by ISO 9001: Quality Management Standard.



COMPRESSION PACKED

Our industry leading **compression** fits up to 8 times more insulation in each pack compared to not being compressed. Which means less handling, less storage space and less packaging.



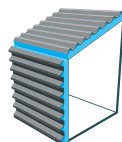
RIGIDITY



Offering higher rigidity, making it easier for installers to handle during installation. **Manufactured with TwinTech® Technology**, an innovative process which gives the insulation a smooth finish on both sides.



KNAUF INSULATION METAL ROOFING ROLL (UNFACED)



Application

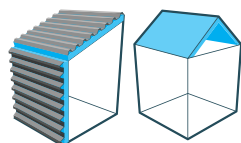
Knauf Insulation Metal Roofing Roll (Unfaced) with ECOSE® Technology is a specialist under-metal roof insulation designed for use in commercial buildings. It is made with super-soft glasswool insulation which will improve the thermal comfort and energy efficiency of the building in which it has been installed thus keeping it cool in summer and warm in winter.

Specifications

Material Code	R-Value (m ² K/W)	Thermal Conductivity (W/mK)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m ²)	Pieces per Pack
812464	1.37	0.0364	16	50	1,200	25,000	30.0	1



KNAUF INSULATION METAL ROOFING ROLL (WHITE FACING)

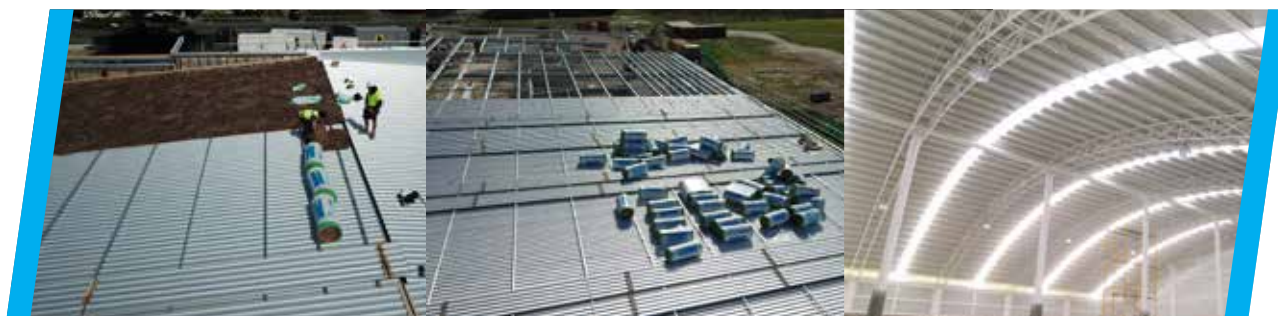


Application

Knauf Insulation Metal Roofing Roll with White Facing is a specialist under-metal roof insulation designed for use in commercial buildings. It is made with super-soft glasswool insulation laminated with anti-condensation white facing. Knauf Insulation Metal Roofing Roll with White Facing 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.

Specifications

Material Code	R-Value (m ² K/W)	Thermal Conductivity (W/mK)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m ²)	Pieces per Pack
826681	1.37	0.0364	16	50	1,200	20,000	24.0	1



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For more information please visit:
www.knauf.com