



PRODUCT GUIDE

High performance residential and commercial insulation solutions for Singapore

Effective 1st July 2025



REDUCES
ENERGY BILLS



MADE WITH
RECYCLED GLASS



LOW
CARBON



NON
COMBUSTIBLE



THERMAL
PERFORMANCE



ACOUSTIC
PERFORMANCE



SOFT
HANDLING



FREE FROM
HARMFUL
INGREDIENTS

Build on us.

INSULATION WITHOUT COMPROMISE

*The world demands more from buildings.
You should demand more too.*

Insist on insulation without compromise.

Products that do more while using less.
Not just thermal comfort, but contributing to fire safety, sustainability, environmental health and peace and quiet too.

The complete package.
Not just high-performance products, but a service offering that supports every stage to make quality construction easier.

Global expertise, delivered locally.
The best of insulation innovation, but customised to specific country and customer needs.

**For insulation without compromise,
choose Knauf Insulation.**



Build on us.

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1.1 Innovation and Production

Made possible by the largest and most advanced manufacturing facility in Asia-Pacific.

Knauf Insulation is one of the largest insulation manufacturers in the world with over 40 factories worldwide, and the most advanced insulation manufacturing facility is right here in Asia-Pacific.

Meeting the demand

Using German technology with decades of experience in insulation manufacturing, the €120 million state-of-the-art facility located in Johor, Malaysia produces up to 75,000 tonnes of insulation per year – supporting the region's soaring demand for quality insulation that offers warranted performance, sustainability and ease of handling.

Made of innovation

The factory uses the latest Knauf Insulation proprietary technology in the manufacturing process which has allowed Knauf Insulation to build innovation into every stage of the process.

It starts with our new-generation melter that can process more grades of recycled glass and produces higher quality fibres which are bound using ECOSE® Technology, a plant-based binder that contains no added formaldehyde. Combined with TwinTech® Technology – a dual forming technique that enables thicker products for advancing building code requirements. TwinTech also ensures there is a smooth finish on both sides of the insulation for optimal product handling and appearance.

Wrapped with our advanced compression packaging process and you've got insulation products that are made of innovation from start to finish.

Serving Asia-Pacific for over 15 years

Recognising Southeast Asia's unique tropical climatic conditions and specific insulation requirements, Knauf Insulation provides a range of products to suit local construction methods. Our proven solutions deliver enhanced comfort and energy efficiency in buildings across the region.

The entire product range has been customised to meet the specific requirements of residential and commercial markets in the region for new and existing buildings, ensuring compliance with the latest Malaysian Standards (e.g., MS 1525) and Singaporean building codes and Green Mark standards.



1.2 Why Knauf Insulation Glasswool?

At Knauf Insulation we believe you should not need to compromise on your insulation. We provide products that do more using less.



High Performance

- Thermally efficient for more comfortable buildings year-round.
- Reduces energy used for heating and cooling.
- Absorbs sound to minimise unwanted noise transmission through external and internal walls.
- Naturally non-combustible for optimised fire safety.



Creating Healthier Buildings

- Made with ECOSE® Technology – unique plant-based binder with no added formaldehyde.
- Low-VOCs, certified to the highest Eurofins Indoor Air Comfort Gold standard.
- Certified by DECLARE as Red List Free – does not contain any harmful or unhealthy chemical ingredients.
- Contributing credits for well-being to Green Building Rating Systems such as the Living Building Challenge, LEED, GreenStar and WELL.



Easier to Install

- Super-soft and easier to handle compared to traditional glasswool.
- Easy to cut to size.
- Less dust.
- Low itch.
- No odour.



Less Transportation and Handling

- Compression packaging using Knauf Insulation technology.
- Compression ratio of up to 10:1 in terms of volume of space which can be insulated compared to the volume of the packaged product.
- Less transport required and less handling.
- Less room required for storage.



Knauf Insulation is part of the Knauf Group, a global market leader in the field of sustainable lightweight construction.

Knauf Group

>€16bn
turnover

41,500+
employees worldwide

300
plants & offices

90+
countries



Knauf Insulation

>€2.5bn
turnover

6000+
employees worldwide

28
plants & offices

40+
countries

1.3 Features and Benefits of Knauf Insulation Glasswool

From manufacture to installation, there is innovation at every stage.



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 roofs, walls and floors. 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 glass furnaces, taking more waste out of our environment.



SUSTAINABLY MANUFACTURED

ECOSE® Technology is a sustainable, plant-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 and when heating during winter. 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.



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 create peaceful and quiet buildings.



COMPRESSION PACKED

Our industry leading **compression packaging technology** enables us to compress our insulation with up to 10:1 ratio in terms of volume of space which can be insulated compared to the volume of the packaged product. This means less handling, less storage space, less packaging used and less transport.



NO HARMFUL INGREDIENTS

Knauf Insulation products have been awarded the Declare Red List Free label, where 100% of the ingredients are disclosed and **do not contain any Red List chemicals**.

Declare.



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.



LOW VOCs

Knauf Insulation glasswool is supported by **Eurofins Indoor Air Comfort Gold** certification as an 'outstanding material' with low levels of VOCs (Volatile Organic Compounds) according to Indoor Air Quality Emissions certification.



EASY TO HANDLE

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

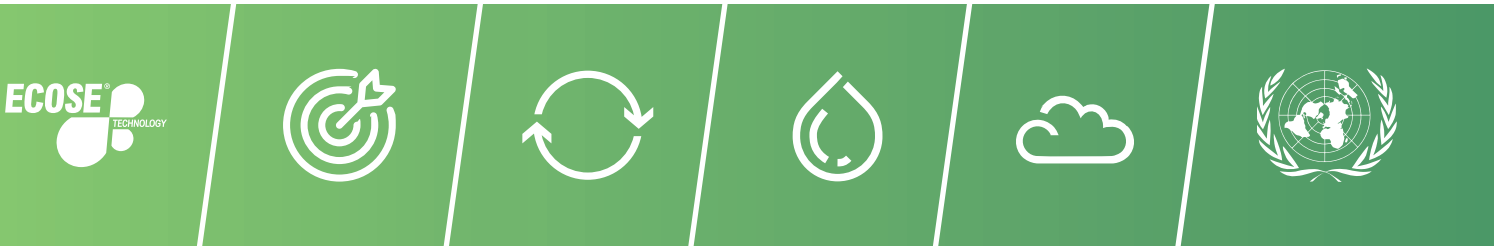


1.4 A New Vision of Sustainability

At Knauf Insulation, sustainability is at the heart of everything we do. This is why we have embedded sustainability across our products, operations, and business strategy. Our products reduce energy usage, harmful emissions, and are designed to make sure buildings are good for both people and the planet.

We are focused on zero harm, reducing our energy use and emissions, recycling our production waste, incorporating circular economy principles and constantly campaigning for better and more sustainable buildings.

- 2009**
We launched our unique plant-based binder, ECOSE® Technology
- 2010**
We set 2020 targets for the reduction of waste, energy use, carbon emissions and Lost Time Accidents
- 2014**
We reduced our waste to landfill by 50%
- 2015**
We achieved our 2020 target of cutting water discharge by 50%
- 2016**
We achieved our -20% CO₂ emissions and -20% energy use
- 2018**
We aligned with the UN Sustainable Development Goals



- 2020**
We launched our **For A Better World** strategy
- 2025**
We work towards achieving mid-term targets towards our long term goals

FOR A BETTER WORLD

**PUT PEOPLE FIRST**
Ensure our communities & people thrive. Safely.

**ACHIEVE ZERO CARBON**
Minimise the impact of our products and plants.

**DELIVER A CIRCULAR ECONOMY**
Do more with less.

**CREATE BETTER BUILDINGS**
Make buildings fit for the future.

- 2032**
We aim to achieve our For A Better World targets:

-50%
Scope 1 & 2* emissions

-30%
Scope 3* emissions

ZERO
Products containing red listed chemicals

ZERO
Waste to disposal

-2%
Yearly water withdrawals

***Scope 1** emissions are direct emissions made by Knauf Insulation.
Scope 2 emissions are indirect emissions released by the generation of energy purchased by Knauf Insulation.
Scope 3 emissions are indirect emissions made during inbound and outbound activities of the company.



FROM BROKEN TO BRILLIANT: INSIDE OUR GLASS RECYCLING FACILITY

Our glasswool insulation is made with up to 80% recycled glass, which is obtained from local sources, specifically from the Containers for Change Scheme and re-directed to our own purpose-built glass recycling facility in **Townsville, Australia**, which has an annual capacity of up to 20,000 tonnes of cullet. In this manner, we repurpose approximately 40 million used bottles across Australia, contributing to a circular economy.

1.5 The ECOSE® Difference



Since 2009, all of our glasswool products have been manufactured with ECOSE® Technology, a unique plant-based binder that creates an environmentally superior product.

Make the ECOSE® difference

Low carbon for better buildings

Our products made with ECOSE® are free of harmful materials known to pose serious health risks and have been awarded the DECLARE 'Red List Free' label, the first glasswool products in Australia to achieve this status. Our products were also the first to be awarded the Eurofins Indoor Air Comfort Gold certification, the highest standard possible, showcasing compliance with low-VOCs emission requirements.

Breathe the ECOSE® difference

Low VOC for improved indoor air quality

Compared to traditional binders, ECOSE® has a lower upfront carbon footprint as it is predominantly plant-based and is made from rapidly renewable sources, making it a low-carbon binder and reducing the embodied carbon of our products that use it. This improves the embodied carbon and overall sustainability of buildings where our glasswool products with ECOSE® are incorporated, assisting in the creation of lower carbon buildings.

Trust the ECOSE® difference

15 years of proven performance for better buildings

For more than 15 years, ECOSE has been making a difference. Products made with ECOSE meet some of the most stringent International standards, helping create better buildings for occupiers, installers and for the planet.

Feel the ECOSE® difference

Easier to handle for a better experience

With no added harmful chemicals, glasswool with ECOSE® generates very low levels of dust, making it soft to touch and handle, odourless and significantly improves the installer experience. Our customers regularly tell us that our products with ECOSE® are less itchy and irritating compared to other products with traditional binders. No added dyes or artificial colours ensures a distinctive, natural brown colour that differentiates our glasswool insulation from the rest.



Traditional Non-ECOSE®
glass mineral wool insulation



With ECOSE®



Embedding Sustainability into our Products



1

RAW MATERIALS

Conserving natural resources

Our glasswool insulation contains up to 80% recycled glass, minimising the need for virgin materials. Made using natural raw materials that are rapidly renewable, our ECOSE® Technology binder is lower in upfront carbon than traditional binders.



2

MANUFACTURING

Reducing the environmental impact of our own processes

We maintain high-quality standards and prioritise the environment, achieving ISO 9001, ISO 14001 and ISO 50001 certifications. We minimise waste, recycle extensively, and aim for zero waste to landfill.



3

PACKAGING

Maximising our packaging to minimise our carbon footprint

Our compression technology maximises packaging efficiency, reducing total packaging required, reducing overall storage space and making it easier to handle products on site. We are also improving the recycled content in our packaging and reducing our carbon footprint.



4

DISTRIBUTION

Delivering product efficiently

We deliver our products with compression packaging, which reduces the number of trucks on the road, less carbon emissions, and further decreases transport-related storage space.



5

BUILDING

Creating high performance, comfortable & healthy building environments

Our glasswool products have been awarded the Eurofins Indoor Air Comfort Gold Certificate, demonstrating their low levels of Volatile Organic Compounds (VOCs) for improved indoor air quality. They are also formaldehyde free, as demonstrated by our Declare Red List Free certification.

1.6 Certifications

Knauf Insulation glasswool products meet stringent performance standards and are certified by industry recognised entities to give confidence for use in buildings.

ENHANCED QUALITY ASSURANCE



ISO 9001: QUALITY MANAGEMENT CERTIFICATION

All of our products are made within the ISO 9001 quality management system ensuring that we deliver consistent performance, quality and service across our entire product range.

BIO-SOLUBLE AND SAFE TO USE



EUCB CERTIFIED

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



ISO 45001: OH&S MANAGEMENT

All of our products are manufactured in accordance with the ISO 45001 Occupational Health & Safety Management system, demonstrating our commitment to worker health & safety.

BEST-IN-CLASS LOW EMISSIONS FOR OPTIMUM INDOOR AIR QUALITY



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.



To learn more about product certification, scan the QR code or visit [knauf.com](https://www.knauf.com)

NO HARMFUL CHEMICALS

Declare.



CERTIFIED DECLARE RED LIST FREE

The Declare label on our products demonstrates our commitment to transparency and is provided for products which declare 100% 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.

LOW ENVIRONMENTAL IMPACT



GLOBAL GREENTAG^{CERT™} GREENRATE[™] LEVEL A CERTIFIED

Knauf Insulation glasswool is the first glasswool insulation in Australia to have GreenRate[™] Level A certification, demonstrating they meet the toughest standards for health, eco performance and safety; and are also eligible for a range of credits within the GreenStar building rating scheme.



ISO 14001: ENVIRONMENTAL MANAGEMENT

All of our products are manufactured in accordance with the ISO 14001 Environmental Management system, demonstrating our commitment to minimise our impact on the environment.



ISO 50001: ENERGY MANAGEMENT

All of our products are manufactured in accordance with the ISO 50001 Energy Management system, demonstrating our commitment to conserving resources and minimising the impact of our processes through efficient energy management.



SGBC GREEN LABEL CERTIFICATION

Knauf Insulation products are certified by the Singapore Green Building Council (SGBC) Green Label scheme, confirming they meet stringent environmental standards for green buildings in Singapore and contribute to Green Mark projects.

2. Service Guidelines

Pack

- Single package of batts or roll
- Bound together by a MasterBag



MasterBag

- A MasterBag is a package of multiple packs (3, 4 or 5 packs depending on the product)



SupaKube

- A 'cube' approximately 1200mm x 1200mm x 2400mm of one product type stacked in multiple MasterBags



As part of our ongoing commitment to exceptional Customer Service the following delivery options are available:

For Peninsular (West) Malaysia* and Singapore

For Local Pick Up at Pasir Gudang, Johor

For East Malaysia - Sabah, Sarawak and Labuan

1

Truck Delivery

- 40-foot
- 30-foot
- Less than truck load (LCL)
- Single or mixed products (max. 2 products)
- Lead time: 24-72 hours depending on delivery location

2

Customer Pick Up

- Dedicated loading bay at plant
- Single or mixed products (max. 2 products)
- Lead time: 24 hours

3

Full Container Load (FCL)

- Single or mixed products (max. 2 products)
- Lead time: 2-3 weeks

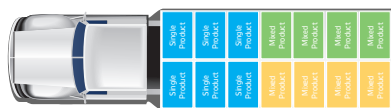
TD

Option 1A - Truck delivery

A Truck Delivery order consists of single or mixed products, transported in a 40-foot truck or 30-foot truck, to one location.



40-foot



30-foot

Truck type	Quantity of MasterBag	Quantity of SupaKube / Pallet
40-foot	80	20
30-foot	48	12

LTL

Option 1B - Less than Truck Load (LTL)

A LTL (Less than truck load) Delivery order consists of single product, transported to one location



Truck type	Quantity of MasterBag	Quantity of SupaKube / Pallet
Less than truck load	3	min. 1

CPU

Option 2 - Local Customer Pick up

Arrangements can be made for pickup from our Johor plant at dedicated loading bays, with minimum order of 3 MasterBags.

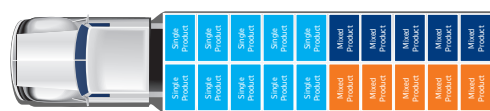
FCL

Option 3 - Full Container Load

A Full Container Load (FCL) order is up to 20 SupaKubes of single or mixed products, delivered in a 40-foot container.



Elevation view



Plan view

3. Ordering Options

To help ensure a seamless and efficient ordering experience, the following guidelines are provided:

- a) **Product Calculator:** For TD and FCL orders is available from Customer Service to assist customers to calculate quantity of product contained in container or truck.
- b) **Mixed Load Surcharge:** SGD 85 will be charged for mixed products based on the additional requirements for handling and loading.
- c) **Delivery Lead Times, Process and Loading of Trucks:** All deliveries are made after Purchase Order is confirmed. Lead time will depend upon delivery method.
- Urgent deliveries will be priced on application (POA). An urgent delivery is a delivery which is required within 24 hours of the order and may incur an additional transport surcharge.
 - Once the order is received and confirmed, Customer Service will contact you to confirm delivery details.
 - Deliveries are conducted Monday to Friday during normal business hours.
 - It is not standard policy to deliver on weekends however for urgent weekend requests they will be subject to availability and priced on application (POA).
 - Cash customers are to have paid 72 hours prior to delivery
- d) Palletising and strapping with additional charges apply.
- e) **Unloading Responsibilities:** It is the responsibility of the customer to unload the trucks and containers in a timely manner. Additional charges maybe charged if a truck must wait in excess of 2 hours.
- f) **Order Confirmations and Invoices:** All orders must be accompanied by a formal Purchase Order. We will provide a written confirmation of your order. We ask that you check all order confirmation details you receive carefully as they will reflect what appears on the invoice you receive. We ask that any queries you may have are immediately directed to our Customer Service team.
- h) **Customer Service and Sales:** Information regarding your orders and details of dispatch can be obtained from Customer Service between the hours of 9am - 5pm, Monday to Friday.
- i) **Technical Advisory Centre:** Knauf Insulation provides comprehensive technical support to assist insulation stockists, specifiers and users. Our expert staff will be pleased to provide further information and advice on all aspects of Knauf Insulation products and applications.

Email: info.sg@knaufinsulation.com

Other enquiries

Our website www.knauf.com hosts a wealth of product and company information, if you can't find what you are looking for and need some general assistance email info.sg@knaufinsulation.com.

Should you have any queries regarding your invoice or any fees you must contact us within 48 hours of its receipt.

- g) **Cancellation of your Order:** All orders become confirmed upon the issuance of purchase orders. Should you wish to cancel or initiate a return, please contact our customer service department. Fees will apply.

Contact

Monday - Friday | 8.30am - 5pm (SGT)

 orders.sg@knaufinsulation.com

3. Case Studies



HHOM@CIRCUIT ROAD (NURSE CO-LIVING HOSTEL)

Product used:

Knauf Insulation Wall Partition Batt 20kg/m³ density

Building type:

Retrofitting of an existing 4-storey school building into a 478-bed hostel

Knauf Insulation Glasswool is uniquely designed to simplify the installation process, eliminating the need for additional fixation. Its advanced compression packaging allows up to ten times more insulation per pack, reducing transportation and handling requirements. The Knauf Insulation Batts provide optimal thermal and acoustic properties, which are essential for creating a comfortable living environment for healthcare workers.



4. Application Finder

To find the insulation best suited for you and your application, use our quick and easy product finder.

ROOFS



Earthwool Roof blanket (unfaced)



Metal Roofs



Pitched Roof

Page 18



Earthwool Roof blanket (faced)



Metal Roofs



Pitched Roof

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WALLS



Knauf Insulation Internal Partition Range



Internal Partition Walls



External Walls



Inter-tenancy walls

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CEILINGS



Knauf Insulation Soffit batt



Soffit

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HVAC



Knauf Insulation External Duct Roll



HVAC

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Earthwool® Roof blanket (unfaced)



EARTHWOOL®
the feel good glasswool insulation

Earthwool Roof blanket (unfaced) provides thermal and acoustic insulation for residential, commercial and industrial roofs. Condensation control can be achieved when the product is faced with foil of the appropriate duty classification. The Earthwool Roof blanket (unfaced) range includes a selection of R-values to provide builders, designers and installers the opportunity to choose the best thermal performance for their project.



BENEFITS

- ✓ Convenient roll lengths for easy install
- ✓ High recycled content
- ✓ High thermal performance, year-round comfort
- ✓ DriTherm Technology – silicon-treated have better moisture resistance
- ✓ Sound absorbing
- ✓ Saves energy – lower energy bills
- ✓ Non-combustible
- ✓ No added formaldehyde
- ✓ Soft to handle and install
- ✓ Odourless
- ✓ Compression packed – more product per pack



PERFORMANCE

Thermal	MS 1020: 2022
Fire Hazard Properties (ASTM E84)	Spread of Flame: 0, Smoke Developed: 0
Water vapour sorption (ASTM C1104)	Less than 5% by weight
Microbial Growth (ASTM C1338)	Does not support microbial growth
Corrosiveness (ASTM C665-17)	Pass (Not corrosive)
Combustibility (BS 476 Part 4)	Pass (Non-combustible)
Noise Reduction Coefficient NRC (ASTM C423)	0.85 – 0.95



PRODUCT FEATURES



CERTIFICATIONS



Please scan QR code to view all documents for this product.



SPECIFICATIONS

KNAUF INSULATION ROOF BLANKET (UNFACED)

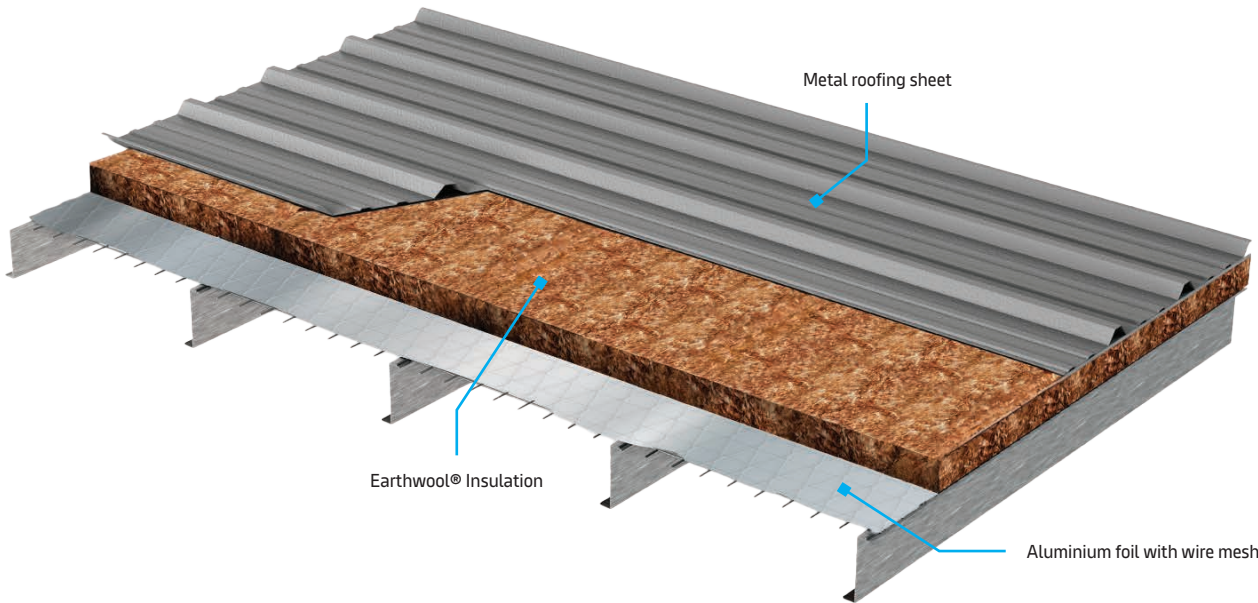
Product Code	R-Value (m²K/VV)	Density (kg/m³)	Thermal Conductivity ^{^*} (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
868897	1.41	16	0.0354	50	1,200	15,000	18.0	1	4	5
868899	1.45	20	0.0344	50	1,200	11,500	13.8	1	4	5
828902	1.50	24	0.0332	50	1,200	10,000	12.0	1	4	5

[^] In accordance with Clause 4.2.1 (b) of Malaysian standard MS 1020 (Thermal insulation products for buildings – factory made mineral wool products), thermal resistance and thermal conductivity values shall be expressed with three significant figures.

^{*} Thermal conductivity 20°C λ Value (W/mK)



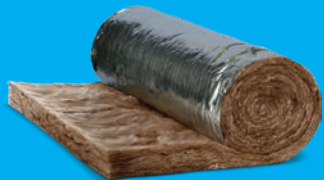
*We can provide a range of densities and R-value for our roof blanket products faced and unfaced, kindly contact us to get more info. To find out more please email info.sg@knaufinsulation.com.



Earthwool® Roof blanket (foil-faced)



EARTHWOOL®
the feel good glasswool insulation



SPECIFICATIONS

Earthwool Metal Roofing rolls are designed for quick and efficient installation in both single-skin and double-skin profiled metal roof systems, including standing seam and bracketed rail constructions.

Earthwool's product with foil-facing lamination provides enhanced thermal and moisture management for metal roofing applications. The non-perforated foil facing acts as an effective vapor barrier, when taped and detailed correctly the product will prevent the passage of moisture into the insulation, thereby reducing the risk of condensation. This feature helps to maintain optimal indoor comfort by controlling both heat transfer and moisture infiltration.



BENEFITS

- ✓ Class A1 Vapour barrier (ASTM E96)
- ✓ Material Health - no added formaldehyde
- ✓ High thermal performance, year-round comfort
- ✓ DriTherm Technology - silicon-treated have better moisture resistance
- ✓ Saves energy - lower energy bills
- ✓ Non-combustible
- ✓ Soft to handle and install
- ✓ Odourless
- ✓ Compression packed - more product per pack



PERFORMANCE

Thermal	MS 1020: 2022
Fire Hazard Properties (ASTM E84)	Spread of Flame: 0, Smoke Developed: 0
Water vapour sorption (ASTM C1104)	Less than 5% by weight
Microbial Growth (ASTM C1338)	Does not support microbial growth
Corrosiveness (ASTM C665-17)	Pass (Not corrosive)
Combustibility (BS 476 Part 4)	Pass (Non-combustible)
Noise Reduction Coefficient NRC (ASTM C423)	0.85 - 0.95

KNAUF INSULATION ROOF BLANKET (FACED)

Product Code	R-Value (m²K/W)	Density (kg/m³)	Thermal Conductivity (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
868904	1.41	16	0.0354	50	1,200	13,000	15.6	1	4	5
868906	1.45	20	0.0344	50	1,200	10,500	12.6	1	4	5
868908	1.50	24	0.0332	50	1,200	9,000	10.8	1	4	5

* Thermal conductivity 20°C λ Value (W/mK)



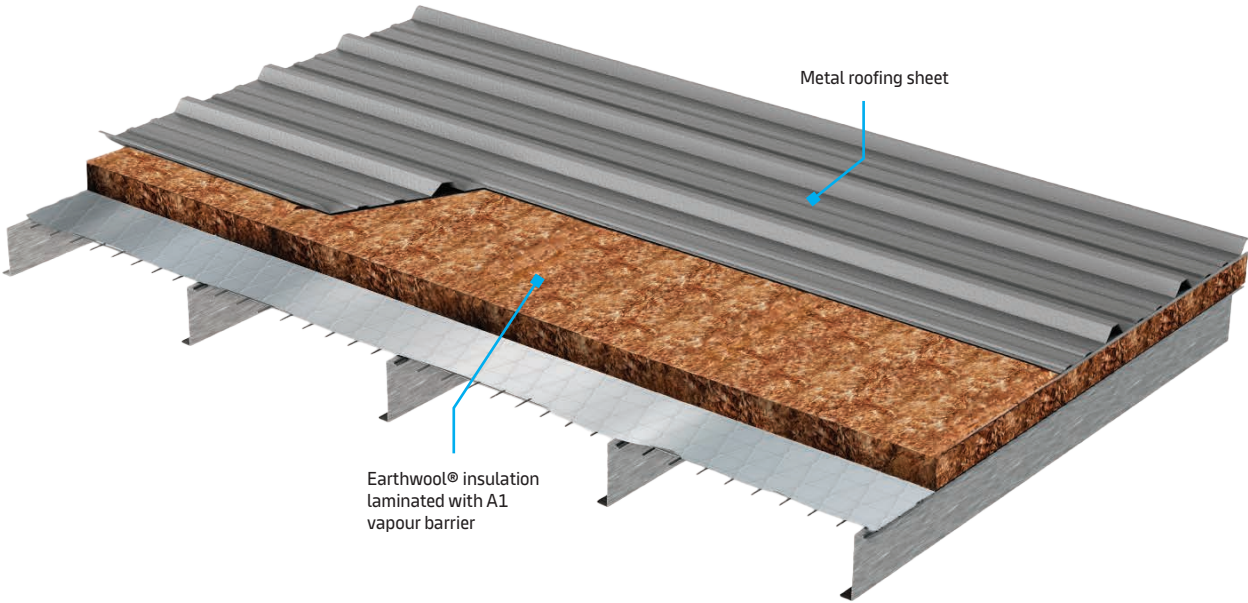
PRODUCT FEATURES



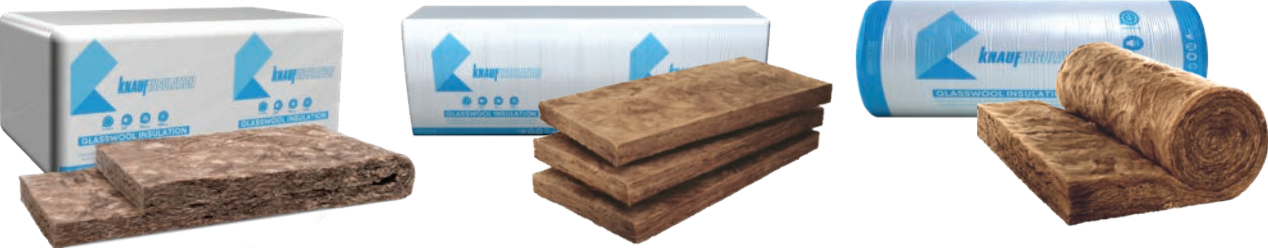
CERTIFICATIONS



Please scan QR code to view all documents for this product.



Knauf Insulation Internal Partition range



KNAUFINSULATION



SPECIFICATIONS

The Knauf Insulation Internal partition (Acoustic) range includes a selection of densities to provide builders, designers, installers and DIYers the opportunity to select the most suitable product for their wall system or installation requirements. Knauf Insulation Internal partition (Acoustic) products will improve the acoustic performance of the building in which they have been installed by absorbing the transfer of unwanted sound from external sources and between adjoining rooms.



BENEFITS

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



PERFORMANCE

Thermal	MS 1020:2022
Fire Hazard Properties (ASTM E84)	Spread of Flame: 0, Smoke Developed: 2-3
Water vapour sorption (ASTM C1104)	Less than 5% by weight
Microbial Growth (ASTM C1338)	Does not support microbial growth
Corrosiveness (ASTM C665-17)	Pass (Not corrosive)
Combustibility (BS 476 Part 4)	Pass (Non-combustible)
Noise Reduction Coefficient NRC (ASTM C423)	0.85 – 0.9



PRODUCT FEATURES



CERTIFICATIONS



Please scan QR code to view all documents for this product.



STANDARD 1200MM BATT



FOLDED 2700MM BATT

2.25 X LONGER

INTERNAL PARTITION FOLDED BATT

Product Code	Density (kg/m³)	Est. R-Value (m²K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
879366	16	1.41	50	510	2,300	16.8	12	5	4
864388	16	1.41	50	610	2,700	19.8	12	5	4
864390	20	1.45	50	610	2,700	16.5	10	5	4

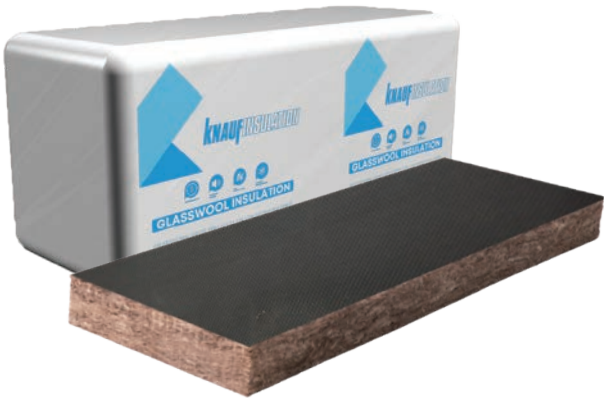
INTERNAL PARTITION BATT

Product Code	Density (kg/m³)	Est. R-Value (m²K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
864384	16	1.41	50	610	1,200	17.6	24	5	4
860908	20	1.45	50	610	1,200	14.6	20	5	4
864382	24	1.50	50	610	1,200	12.4	17	5	4
864300	32	1.53	50	610	1,200	10.3	14	5	4
864302	48	1.59	50	610	1,200	8.1	11	4	4

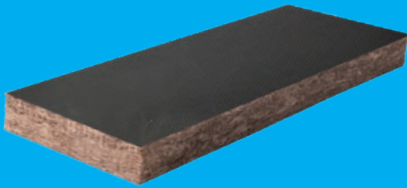
INTERNAL PARTITION ROLL

Product Code	Density (kg/m³)	Est. R-Value (m²K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
853942	16	1.41	50	600	15,000	18.0	2	4	5

Knauf Insulation Soffit batt



KNAUFINSULATION



SPECIFICATIONS

Knauf Insulation Soffit batt (Woven Glass Veil) is an insulated solution designed for structural soffits, including those in underground car parks and semi-exposed areas. It provides superior thermal and acoustic performance for these applications.



BENEFITS

- ✓ Sound absorbing
- ✓ Lightweight with high thermal performance for year-round comfort
- ✓ Saves energy - lower energy bills
- ✓ Non-combustible
- ✓ DriTherm® Technology - moisture resistance
- ✓ No added formaldehyde - free from harmful ingredients
- ✓ Soft to handle and install
- ✓ Odourless



PERFORMANCE

Thermal	MS 1020:2022
Fire Hazard Properties (ASTM E84)	Spread of Flame: 0, Smoke Developed: 0
Microbial Growth (ASTM C1338)	Does not support microbial growth
Corrosiveness (ASTM C665-17)	Pass (Not corrosive)
Combustibility (BS 476 Part 4)	Pass (Non-combustible)
Water vapour sorption (ASTM C1104)	Pass (<5%)
Noise Reduction Coefficient NRC (ASTM C423)	0.95



PRODUCT FEATURES



with **ECOSE** TECHNOLOGY



MADE WITH RECYCLED GLASS



CERTIFICATIONS



Please scan QR code to view all documents for this product.



SOFFIT BATT

Product Code	R-Value (m²K/W)	Density (kg/m³)	Thermal Conductivity* (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
880131	1.50	38	0.0316	50	600	1200	7.9	11	5	4
876563	2.37	38	0.0316	75	600	1200	5.0	7	5	4
876102	3.16	38	0.0316	100	600	1200	4.3	6	5	4

* Thermal conductivity 20°C λ Value (W/mK)



Knauf Insulation HVAC External Duct Roll (Unfaced)



KNAUFINSULATION



SPECIFICATIONS

Knauf Insulation External Duct Roll (Unfaced) with ECOSE® Technology is a high-performance external insulation solution for commercial and residential heating or air conditioning ducts. Ideal for the exterior of rectangular or round sheet metal ducts, it significantly enhances temperature control, reduces energy loss, and helps your HVAC system operate more efficiently. This leads to tangible benefits like lower utility costs and a healthier, more comfortable indoor environment through effective temperature and condensation control.



BENEFITS

- ✓ High recycled content
- ✓ High thermal performance, year-round comfort
- ✓ Sound absorbing
- ✓ Saves energy - lower energy bills
- ✓ Non-combustible
- ✓ Dritherm® Technology - moisture resistance
- ✓ No added formaldehyde - no harmful ingredients
- ✓ Soft to handle and install
- ✓ Odourless
- ✓ Compression packed - more product per pack



PERFORMANCE

Thermal	MS1020:2022
Fire Hazard Properties (ASTM E84)	Spread of Flame: 0, Smoke Developed: 0
Acoustic	Will contribute to the BCA's acceptable construction practices to achieve the required acoustic performance in cavity wall construction
Microbial Growth (ASTM C665-17)	Does not support microbial growth
Corrosiveness (ASTM C665-17)	Pass (Not corrosive)
Combustibility (BS 476 Part 4)	Pass (Non-combustible)

EXTERNAL DUCT ROLL

Product Code	R-Value (m²K/W)	Thermal Conductivity* (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m²)	Pieces per pack	Packs per MasterBag	MasterBags per SupaKube
826673	0.76	0.0326	25	1,200	15,000	18.0	1	4	5
826677	1.50	0.0332	50	1,200	10,000	12.0	1	4	5

* Thermal conductivity 20°C λ Value (W/mK)



PRODUCT FEATURES



with ECOSE[®] TECHNOLOGY



MADE WITH RECYCLED GLASS



CERTIFICATIONS



Please scan QR code to view all documents for this product.



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