

## Knauf Insulation Soffit Batt

June 2026

### Application



Knauf Insulation Soffit Batt is used for the thermal and acoustic insulation of soffits in a wide range of both residential and non-residential buildings. Knauf Insulation Soffit batt is non-combustible with the best possible Euroclass A1 reaction to fire classification. Knauf Insulation Soffit batt is laminated with super strong black woven glass fabric is suitable for use as an insulated underlining solution in structural soffits such as underground car parks, use as an insulated underlining solution in semi-exposed structural soffits.



### Description

Knauf Insulation Soffit batt is available in three thickness 50mm, 75mm and 100mm selection of R-values to provide builders, designers and installers the opportunity to choose the best acoustic and thermal performance for their project.

The super-soft and easy to handle benefits of Knauf Insulation Soffit Thermal Barrier 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 Soffit Thermal Barrier is made using up to 80% recycled glass and with ECOSE® Technology, a sustainable, plant-based binder that contains no added formaldehyde. Enhanced moisture resistance with DriTherm® Technology. Knauf Insulation glasswool is silicone treated, which provides moisture resistance for increased durability.



### Knauf Insulation GMW with Woven Glass Fabric Facing

Fire Hazard Properties (ASTM E84)*	Spread of Flame: 0 Smoke Developed: 0-5		
MATERIAL PROPERTY	RESULT	REQUIREMENT PER ASTM C665-17	PASS / FAIL
Water Vapor Sorption (Mass %) (ASTM C1104)*	4	≤5	Pass
Corrosiveness - Aluminium (rating scale 15-40) (ASTM C665)*	25	30	Pass
Corrosiveness - Copper (rating scale 15-40) (ASTM C665)*	40	>21	Pass
Corrosiveness - Steel (ASTM C1617)*	1 ppm	≤5 ppm	Pass
Fungi Resistance (ASTM C1338)*	No growth	Growth ≤ Comparative	Pass
Non-combustibility Reaction to fire (EN 13 501-1)	A1		Pass
Short-term water absorption by partial immersion, average (ISO 29767:2019)	16 kg/m <sup>3</sup>		32kg/m <sup>3</sup>
	0.20 kg/m <sup>2</sup>		0.15 kg/m <sup>2</sup>

Noise Reduction Coefficient (NRC)	Frequency (Hz)						NRC
	125	250	500	1000	2000	4000	
50mm thickness	0.26	0.74	1.06	1.06	1.00	0.97	0.95
75mm thickness	0.61	1.10	1.18	1.07	0.99	0.97	1.10
100mm thickness	0.93	1.22	1.20	1.06	0.99	0.97	1.10

\*product testing based on unfaced product density of 32kg/m<sup>3</sup>

### Certification



Declare.



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

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### Benefits

- ✓ High level of sound reduction
  - Effectively minimizes noise from unwanted sounds
- ✓ High thermal performance
  - Equivalent to or better than rock mineral wool with half the weight, lowering embodied carbon, environmental impact, and costs
- ✓ No added formaldehyde or phenol
- ✓ TwinTech® - smooth finish on both sides
- ✓ DriTherm® Technology, silicone treated
  - Water ingress resistance
  - Humidity and water vapour protection
- ✓ Saves energy - lower energy bills
- ✓ Non-combustible
- ✓ Odourless
- ✓ Naturally brown - no artificial colours added
- ✓ Superior handling Consistent quality materials, cut easily and installs fast
  - Highly resilient insulation recovers quickly to full thickness
- ✓ Compression packed - more product per pack, less storage needed, reduce carbon footprint

### Dimensions and Thermal Resistance

Product code	R-value (m <sup>2</sup> K/W)	Density (kg/m <sup>3</sup> )	Thermal Conductivity* (W/mK)	Thickness (mm)	Width (mm)	Length (mm)	Coverage per pack (m <sup>2</sup> )	Pieces per pack	Packs per MasterBag
880131	1.50	38	0.0333	50	600	1200	7.92	11	5
876563	2.30	38	0.0333	75	600	1200	5.04	7	5
876102	3.10	38	0.0333	100	600	1200	4.32	6	5

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

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### Additional Information

#### Specification Guide

The insulation shall be Knauf Insulation Soffit Batt with Glass Woven Fabric Facing \* \_\_\_\_\_ kg/m<sup>3</sup>, \* \_\_\_\_\_ mm thick, product. The product will be non-combustible, contain no ozone-depleting substances or greenhouse gases, glasswool insulation with high post-consumer recycled glass content and with ECOSE® Technology. It will be manufactured under Quality Assurance Standards ISO 9001, ISO14001, ISO45001 and ISO50001 by Knauf Insulation Sdn. Bhd. and shall be installed in accordance with the instructions issued by them.

*\*architect to insert details of products used.*

#### Fire Safety

Tested in accordance with EN 13501-1: A1.

#### Bio-solubility

The formulation used for Knauf Insulation glasswool has been independently assessed and certified by EUCEB to demonstrate bio-solubility. All products manufactured by Knauf Insulation are made of non-classified fibres (fibres that are less bio-persistent than every day dust) and are certified by EUCEB. EUCEB is a voluntary initiative which provides independent certification that guarantees that products are made of fibres which comply with the exoneration criteria for carcinogenicity (Note Q) of the Regulation (EC) 1272/2008. To help user's identify the safety of our Glasswool fibres the EUCEB logo is displayed on our product packaging and/ or labels.

#### Environmental

Knauf Insulation Soffit Batt presents no known threat to the environment, has low VOCs and benefits from ECOSE® Technology. Eurofins Indoor Air Comfort (Gold) certification provides assurance that a product fulfills low product emissions requirements. Gold level certified products are those with the **best-in-class** low emissions, and therefore good for indoor air quality.

#### Proven Performance

- Knauf Insulation Soffit Batt is preferred by professional installers concerned with quality, appearance and productivity.
- Knauf Insulation Soffit Batt has excellent acoustical properties reduce sound transmission in the building when properly installed.

#### Durability

Knauf Insulation Soffit Batt is odourless, rot proof, non-hygroscopic, does 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 smooth, easy to cut and install.
- Low dust for easier handling and increased productivity.

#### Convenient Packaging, Easier Handling

- Knauf Insulation Soffit Batt is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Knauf Insulation Soffit Batt packages feature easy to follow installation instructions.
- MasterBag insulation units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.

#### 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 supports 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 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. Knauf Insulation products made with ECOSE® Technology contain no added dyes or artificial colours.

#### Knauf Insulation Sdn Bhd

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