

KNAUF INSULATION PARTITION BATT / ROLL

April 2024



APPLICATION



Knauf Insulation Partition Batt / Roll with ECOSE® Technology will absorb the transfer of unwanted sound from outside to inside the building. In addition to sound absorption, it 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.

DESCRIPTION

The Knauf Insulation Partition Batt / Roll range includes a selection of densities and R-values to provide builders, designers, installers and DIYers the opportunity to choose the best acoustic and thermal performance for their project. The range is available in batts, offered in two different lengths: 1200mm and 2700mm, as well as rolls. The 2700mm folded batt makes installation easier, faster, and more efficient, as it fits the most common framing cavity with no extra measurements required.

The super-soft and easy to handle benefits of Knauf Insulation Partition Batt / Roll 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 Partition Batt / Roll is made using up to 80% recycled glass and with ECOSE® Technology, a sustainable, bio-based binder that contains no added formaldehyde.

Knauf Insulation GMW Unfaced Performance

Thermal

MS 1020:2022

Fire Hazard Properties (ASTM C665-17)

Spread of Flame: 0, Smoke Developed: 0

MATERIAL PROPERTY

RESULT	REQUIREMENT PER ASTM C665-17	PASS / FAIL
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Water Vapor Sorption (Mass %)

3	≤5	Pass
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Corrosiveness - Aluminium (rating scale 15-40)

40	>21	Pass
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Corrosiveness - Copper (rating scale 15-40)

40	>21	Pass
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Corrosiveness - Steel

≤5 ppm	≤5 ppm	Pass
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Fungi Resistance

No growth	Growth ≤ Comparative	Pass
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BENEFITS

- ✓ TwinTech® - smooth finish on both sides
- ✓ DriTherm® Technology, silicone treated, excellence water resistance
- ✓ High thermal performance - year round comfort
- ✓ Saves energy - lower energy bills
- ✓ Non-combustible
- ✓ Sound absorbing
- ✓ No added formaldehyde or phenol
- ✓ 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

CERTIFICATION



malaysiaGBC™



Declare.



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

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SPECIFICATIONS

Model(s): Knauf Insulation GMW Unfaced

Product 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
826559	1.37	0.0364	16	50	600	2700	19.4	12
826548	1.43	0.0349	20	50	600	2700	16.2	10
826570	1.37	0.0364	16	50	600	1200	17.3	24
826561	1.43	0.0349	20	50	600	1200	14.4	20
826574	1.48	0.0337	24	50	600	1200	12.2	17
790571	1.57	0.0319	48	50	600	1200	7.9	11
838297	1.37	0.0364	16	50	600	25000	30.0	2

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ADDITIONAL INFORMATION

Specification Guide

The insulation shall be Knauf Insulation Partition Batt / Roll * _____ kg/m³, * _____ mm thick, MS 1020:2022 compliant product. The product will be non-combustible, Red List Free as labelled by Declare, Global GreenTag Level A certified, 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 9001:2015 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 B.S. 476: Part 6 Fire propagation, B.S. 476: Part 7 Surface spread of flame, BOMBA Class 'O' and B.S. 476: Part 4 Non-combustibility.

Bio-solubility

The formulation used for Knauf Insulation glasswool has been independently assessed and certified by EUCEB to demonstrate bio-solubility. Knauf Insulation glasswool is free of hazardous ingredients and certified as Red List Free. The Living Building Challenge (LBC) Red List represents the "worst in class" materials, chemicals, and elements known to pose risks to human health. To earn the Red List Free designation, a product must fully disclose its ingredients, ensuring that none of them contain Red List chemicals. Products bearing the Red List Free label demonstrate adherence to the LBC's objectives of promoting ingredient transparency and the removal of Red List chemicals throughout the industry.

Environmental

Knauf Insulation Partition Batt / Roll represents no known threat to the environment and comes with GreenTag Level A certification, Declare label and a certified Environmental Product Declaration. Knauf Insulation Partition Batt / Roll has low VOC and benefits from ECOSE® Technology.



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, bio-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 - Company registration no: 201401006359 (1082442-W)

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Proven Performance

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

Durability

- Knauf Insulation Partition Batt / Roll 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 Partition Batt / Roll is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Knauf Insulation Partition Batt / Roll 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.