

KNAUF INSULATION ACOUSTIC

September 2025

Applications



Description

The Knauf Insulation Acoustic range includes a selection of densities to provide builders, designers, installers and DIYers the opportunity to choose the best acoustic performance for their project. Knauf Insulation 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.

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

Fire Hazard Properties (AS/NZ 1530.3)	Ignitability: 0 Spread of Flame: 0 Heat Evolved: 0 Smoke Developed: 2-3	
Material Property	Requirement per ASTM C665-17	Pass/Fail
Water Vapour Sorption (Mass %) (ASTM C1104)*	<5	Pass
Corrosiveness - Aluminium (rating scale 15-40) (ASTM C665)*	<21	Pass
Corrosiveness - Copper (rating scale 15-40) (ASTM C665)*	<21	Pass
Corrosiveness - Steel (ASTM 1617)*	<5 ppm	Pass
Fungi Resistance (ASTM C1338)*	Growth < Comparative	Pass
Water Vapour Absorption	Less than 5% by weight when tested for 96 hours at 120°F (49°C) and 95% humidity.	
Microbial Growth	Does not support microbial growth	
Combustibility (AS 1530.1)	Non-combustible	

*Test samples were 8kg/m³ and 32kg/m³ unfaced Knauf Insulation glasswool, with ECOSE binder.

Benefits

- ✓ TwinTech® - smooth finish on both sides
- ✓ Sound absorbing
- ✓ Non-combustible
- ✓ 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

ACOUSTIC BATT

11kg/m³ and 14kg/m³

Product Code	Density (kg/m ³)	Est. R-Value (m ² K/W)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m ²)	Pieces per pack
883474	11	1.2	50	450	2700*	12.2	10
883477	11	1.2	50	600	2700*	16.2	10
882215	11	1.8	75	450	2700*	12.2	10
882264	11	1.8	75	600	2700*	16.2	10
795252	11	2.5	110	600	1160	13.9	20
795255	14	1.3	50	450	1160	19.8	38
795256	14	1.3	50	600	1160	26.5	38
795257	14	1.9	75	450	1160	12.5	24
795258	14	1.9	75	600	1160	16.7	24
795228	14	2.3	90	450	1160	9.4	18
795229	14	2.3	90	600	1160	12.5	18

All dimensions are nominal. / *Folded batt.

ACOUSTIC ROLL

11kg/m³ and 14kg/m³

Product Code	Density (kg/m ³)	Est R-Value (m ² K/W)	Thickness (mm)	Width per Roll (mm)	Length (mm)	Area per pack (m ²)	Rolls per pack
795263	11	1.8	75	450	11600	10.4	2
795264	11	1.8	75	600	11600	13.9	2
795265	11	2.2	90	600	11600	13.9	2
795266	14	2.3	90	600	9100	10.9	2

All dimensions are nominal.

ACOUSTIC ROLL

24kg/m³ and 32kg/m³

Product Code	Density (kg/m ³)	Est. R-Value (m ² K/W)	Thickness (mm)	Width per Roll (mm)	Length (mm)	Area per pack (m ²)	Rolls per pack
795274	24	0.7	25	600	18900	22.7	2
795267	24	2.1	75	600	6200	7.4	2
795268	24	2.5	90	600	5300	6.4	2
795269	32	1.5	50	600	7200	8.6	2
795270	32	2.2	75	600	4800	5.8	2
795271	32	2.7	90	450	4000	3.6	2
795272	32	2.7	90	600	4000	4.8	2
795273	32	3.0	100	600	3600	4.3	2

All dimensions are nominal.

Additional Information

Specification Compliance

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

Specification Guide

The acoustic insulation shall be Knauf Insulation Acoustic, R* or *kg/m³, *mm thick, BRANZ appraised to meet the provisions of the NCC. 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 Acoustic 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 Acoustic 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.

Proven Performance

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



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.

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Installation Guidance

- When installing wall insulation, it is important to install insulation in accordance with AS3999 (bulk thermal insulation installation) and Knauf Insulation's instructions.

Durability

- Knauf Insulation Acoustic 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 good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation Acoustic comes in strong packaging that offers excellent protection from abuse, dust and moisture.
- 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 focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation recognises the need to establish, develop and support 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.

Corrosion testing

Knauf insulation glasswool is tested to evaluate whether a material's chemical composition could cause corrosion. Knauf Insulation's glasswool products, with a consistent composition across densities, have been independently tested and demonstrated that they are non-corrosive in both low-density and high-density variants, ensuring long-term compatibility and reliable performance.