www.knaufinsulation.com.au

KNAUF INSULATION ACOUSTIC

April 2022

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 sustainable, bio-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: 0-1.
Water Vapour Absorption	Less than 5% by weight.
Microbial Growth	Does not support microbial growth.
Corrosion Resistance	No greater than sterile cotton.
Combustibility (AS 1530.1)	Non-combustible.

BENEFITS

- ✔ TwinTech® - smooth finish on both sides
- ✔ Sound absorbing
- ✔ Non-combustible
- ✔ No added formaldehyde
- ✔ Soft to handle and install
- ✔ 50 year warranty
- ✔ Compression packed - more product per pack
- ✔ Odourless.

CERTIFICATION

CodeMark 30094

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SPECIFICATIONS

ACOUSTIC BATT
11kg/m³ and 14kg/m³

	Product Code	Est. R-Value (m^2K/W)	Density (kg/m^3)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m^2)	Pieces per pack
Timber Frame	683639	1.8	11	75	430	1160	14.0	28
	683635	1.2	11	50	580	1160	26.9	40
Metal Frame	683637	1.2	11	50	450	2700*	24.3	20
	683636	1.2	11	50	600	2700*	32.4	20
	683638	1.8	11	75	450	2700*	17.0	14
	683684	1.8	11	75	600	2700*	22.7	14
	683672	2.5	11	110	600	1160	13.9	20
	683680	1.3	14	50	450	1160	19.8	38
	683681	1.3	14	50	600	1160	26.5	38
Timber Frame	683685	1.3	14	50	430	1160	19.0	38
	683691	1.9	14	75	430	1160	12.0	24
	683690	1.9	14	75	580	1160	16.2	24
Metal Frame	683682	1.9	14	75	450	1160	12.5	24
	683683	1.9	14	75	600	1160	16.7	24

All dimensions are nominal. | *Folded batt.

ACOUSTIC ROLL
11kg/m³ and 14kg/m³

	Product Code	Est. R-Value (m^2K/W)	Density (kg/m^3)	Thickness (mm)	Width per Roll (mm)	Length (mm)	Area per pack (m^2)	Rolls per pack
Metal Frame	683715	1.2	11	50	450	21000	18.9	2
	707764	1.8	11	75	450	11600	10.4	2
	690941	1.8	11	75	600	11600	13.9	2
	690964	2.2	11	90	600	11600	13.9	2
	767975	1.9	14	75	600	10000	12.0	2
	691119	2.3	14	90	600	9100	10.9	2

All dimensions are nominal.

ACOUSTIC ROLL
24kg/m³ and 32kg/m³

	Product Code	Est. R-Value (m^2K/W)	Density (kg/m^3)	Thickness (mm)	Width per Roll (mm)	Length (mm)	Area per pack (m^2)	Rolls per pack
Metal Frame	690939	0.7	24	25	600	18900	22.7	2
	691124	2.1	24	75	600	6200	7.4	2
	691117	2.5	24	90	600	5300	6.4	2
	691126	1.5	32	50	600	7200	8.6	2
	691115	2.2	32	75	600	4800	5.8	2
	683716	2.7	32	90	450	4000	3.6	2
	690962	2.7	32	90	600	4000	4.8	2
	691122	3.0	32	100	600	3600	4.3	2

All dimensions are nominal.

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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/m^3, *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 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 GreenTag 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.

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.
- Knauf Insulation Acoustic 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 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.

with 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.

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