



### 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. Super-soft to handle and install, Knauf Insulation Acoustic is made using up to 80% recycled glass and with ECOSE® Technology, a sustainable, bio-based binder that contains no added formaldehyde.

### PERFORMANCE

#### Thermal

Thermal conductivity

ASTM C 518.

#### 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.

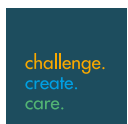
#### Combustibility (AS 1530.1)

Non-combustible.

### BENEFITS

- ✓ Sound absorbing
- ✓ Non-combustible
- ✓ No added formaldehyde
- ✓ Soft to handle and install
- ✓ 50 year warranty
- ✓ Compression packed - more product per pack
- ✓ Odourless.

### CERTIFICATION



### ADDITIONAL INFORMATION

#### Specification Compliance

AS1530.1 Method of Fire Testing on Building Materials. AS1530.3 Early fire Hazard Properties. Knauf Insulation Acoustic will contribute to compliance with the Building Code of Australia (BCA) requirements.

#### Specification Guide

The acoustic insulation shall be Knauf Insulation Acoustic, R\* or \*kg/m<sup>3</sup>, \*mm thick, BRANZ appraised to meet the provisions of the BCA. The product will be non-combustible, CFC/HCFC free, zero ODP and GWP, Global GreenTag Cert™ 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 Australian Safety and Compensation Council ASCC Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 3rd Edition]. As a result of this assessment, Knauf Insulation Acoustic is not classified as hazardous according to the NOHSC criteria.

#### Environmental

Knauf Insulation Acoustic is free from CFCs, HCFCs and any other material with ozone depletion potential in the manufacture and content and represent no known threat to the environment. Knauf insulation Acoustic manufacture has low impact on the environment and is classified as Zero ODP and Zero GWP.

- GreenTag Level A certified.

#### Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- 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.

## KNAUF INSULATION ACOUSTIC

February 2020

### SPECIFICATIONS

#### ACOUSTIC BATT 11kg/m<sup>3</sup> and 14kg/m<sup>3</sup>

	Product Code	Est. R-Value (m <sup>2</sup> K/W)	Density (kg/m <sup>3</sup> )	Thickness (mm)	Width (mm)	Length (mm)	Pieces per pack	Area per pack (m <sup>2</sup> )
Timber Frame	248352	1.2	11	50	430	1160	40	26.91
	290599	1.8	11	75	580	1160	28	13.97
Metal Frame	248361	1.2	11	50	450	2700*	20	24.30
	248360	1.2	11	50	600	2700*	20	32.40
	248362	1.8	11	75	450	2700*	14	17.01
	2437819	1.8	11	75	600	2700*	14	22.68
	546373	2.5	11	110	600	1160	20	13.92
	2437560	1.3	14	50	450	1160	38	19.84
	2437561	1.3	14	50	600	1160	38	26.45
Timber Frame	2437822	1.3	14	50	430	1160	38	18.95
	2438637	1.3	14	50	580	1160	38	25.57
	2438916	1.9	14	75	430	1160	24	11.97
	2438638	1.9	14	75	580	1160	24	16.15
Metal Frame	2437562	1.9	14	75	450	1160	24	12.53
	2437563	1.9	14	75	600	1160	24	16.70

\*Folded

#### ACOUSTIC ROLL 11kg/m<sup>3</sup> and 14kg/m<sup>3</sup>

	Product Code	Est. R-Value (m <sup>2</sup> K/W)	Density (kg/m <sup>3</sup> )	Thickness (mm)	Width per Roll (mm)	Length (mm)	Rolls per pack	Area per pack (m <sup>2</sup> )
Metal Frame	672594	1.2	11	50	450	21000	2	18.90
	607094	1.8	11	75	600	11600	2	13.92
	672626	2.2	11	90	600	11600	2	13.92
	672624	2.2	14	90	600	9100	2	10.92

## KNAUF INSULATION ACOUSTIC

February 2020

### SPECIFICATIONS

#### ACOUSTIC ROLL 24kg/m<sup>3</sup>

	Product Code	Est. R-Value (m <sup>2</sup> K/W)	Density (kg/m <sup>3</sup> )	Thickness (mm)	Width per Roll (mm)	Length (mm)	Rolls per pack	Area per pack (m <sup>2</sup> )
Metal Frame	543489	0.7	24	25	600	18900	2	22.68
	672586	2.1	24	75	600	5300	2	7.44
	672621	2.5	24	90	600	6200	2	6.36

#### ACOUSTIC ROLL 32kg/m<sup>3</sup>

	Product Code	Est. R-Value (m <sup>2</sup> K/W)	Density (kg/m <sup>3</sup> )	Thickness (mm)	Width per Roll (mm)	Length (mm)	Rolls per pack	Area per pack (m <sup>2</sup> )
Metal Frame	672573	1.5	32	50	600	7200	2	8.64
	672609	2.2	32	75	600	4800	2	5.76
	672603	2.7	32	90	450	4000	2	3.60
	672604	2.7	32	90	600	4000	2	4.80
	672596	3.0	32	100	600	3600	2	4.32



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 Ltd

23 Corporate Drive,  
Cannon Hill, Queensland, 4170, Australia

Customer Service: Tel: +61 7 3393 7300  
Fax: +61 7 3902 0613

Technical Advisory Centre: tech.au@knaufinsulation.com

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