

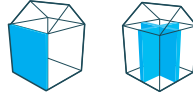
EARTHWOOL® ACOUSTIC ROLL

May 2018



with **ECOSE**[®] TECHNOLOGY

APPLICATIONS



DESCRIPTION

Earthwool® Acoustic roll can improve R_w ratings in wood stud construction by 3 to 5 decibels and in metal stud construction by 8 to 10 decibels, depending on the complexity of the wall configuration and the thickness/density. Earthwool® Acoustic roll can be used for exterior and interior walls. Super-soft to handle and install, Earthwool® 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.

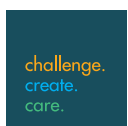
Combustibility (AS 1530.1)

Non-combustible.

BENEFITS

- ✓ High thermal performance - year round comfort
- ✓ Sound absorbing
- ✓ Non-combustible
- ✓ Saves energy - lower energy bills
- ✓ No added formaldehyde
- ✓ Soft to handle and install
- ✓ 50 year warranty
- ✓ Compression packed - more product per pack
- ✓ Odourless.

CERTIFICATION



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ADDITIONAL INFORMATION

Specification Compliance

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

Specification Guide

The acoustic insulation shall be Earthwool® Acoustic roll *kg/m³, *mm thick. 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 Earthwool® insulation 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, Earthwool® insulation is not classified as hazardous according to the NOHSC criteria.

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

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

Convenient Packaging, Easier Handling

- Earthwool® Acoustic roll is packaged in a strong, poly bag that offers excellent protection from abuse, dust and moisture.
- Earthwool® Acoustic roll packaging features 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.

Environmental

Earthwool® Acoustic roll 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. Earthwool® Acoustic rolls' manufacture has low impact on the environment and is classified as Zero ODP and Zero GWP.

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SPECIFICATIONS

Product Code	Est. R-Value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Length (m)	Width (mm)	Pieces per pack	Area per pack (m ²)
607094	1.8	11	75	11.6	600	2	13.92

Acoustic Roll – 11kg/m³

Product Code	Est. R-Value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Length (m)	Width (mm)	Pieces per pack	Area per pack (m ²)
543490	0.7	24	25	18.9	600	2	22.68

Acoustic Roll – 24kg/m³



Earthwool® products made with ECOSE® Technology benefit from a formaldehyde-free 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. Earthwool® products made with ECOSE® Technology contain no added dyes or artificial colours.

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