



January 2017

Earthwool® glasswool insulation: DriTherm®

For masonry walls

Description

Earthwool glasswool: DriTherm Masonry slabs are made using recycled glass and with ECOSE® Technology, a revolutionary binder based on rapidly renewable materials instead of petro-based chemicals. ECOSE Technology reduces binder embodied energy and contains no added phenol, formaldehyde, acrylics or artificial colours.

Application

Earthwool glasswool: DriTherm Masonry slabs provide a cost-effective thermal and acoustic barrier for energy-efficient construction. The consistent quality, low dust, and clean-cutting resilient glasswool makes installation fast. Earthwool glasswool: DriTherm Masonry slabs fibres are silicone coated, making it the ideal solution for masonry wall insulation. They can also be used for thermal and acoustic insulation where a 50mm product is required.

Performance

Thermal Conductivity

ASTM C 518 and AS/NZS 4859.1: 2002.

Thermal Resistance

ASTM C 653 and AS/NZS 4859.1: 2002.

Acoustic

Will contribute to the BCA's acceptable construction practices to achieve the required acoustic performance in cavity wall construction.

Technical Data

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Hazard Properties (AS/NZS 1530.3)

- Ignitability: 0, Spread of flame: 0, Heat Evolved: 0, Smoke Developed: 0-1.

Combustibility (AS 1530.1)

- Non-combustible.



EARTHWOOL® GLASSWOOL
the feel good glasswool insulation

with **ECOSE®** TECHNOLOGY

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Specification Compliance

Earthwool glasswool: DriTherm Masonry slabs are manufactured in accordance with BS EN 13162, EN 16001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

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.

Environmental

Earthwool glasswool: DriTherm Masonry slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission in the home when properly installed in wall systems.

Durability

- Earthwool glasswool insulation is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour Resistivity

Earthwool glasswool: DriTherm Masonry slabs offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MN/g.m.

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 glasswool insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Earthwool glasswool insulation packages feature easy to follow installation instructions.

Knauf Insulation's Earthwool glasswool products with ECOSE® Technology benefit from a formaldehyde-free binder based on rapidly renewable 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 glasswool products made with ECOSE Technology contain no dye or artificial colours – the colour is completely natural.

Specification Guide

The cavity wall insulation shall be Earthwool glasswool: DriTherm Masonry slabs R*, *mm thick. The product will be non-combustible, CFC/HCFC free, zero ODP and GWP, 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.

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- 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 products and 'in full on time' 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.

Product Code	R-Value (m ² K/W)	Thickness (mm)	Length (mm)	Width (mm)	Area per Pack (m ²)
475382	1.5	50	1100	600	5.3



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Knauf Insulation Pty Ltd

Building 1, Unit 2, 15 Accent Drive
East Tamaki, Auckland, 2013

Customer Service (Sales)

Tel: 0800 562 834
Tel: +61 7 3393 7300
Fax: +61 7 3902 0613
Email: orders.nz@knaufinsulation.com

Technical Advisory Centre

Email: tech.nz@knaufinsulation.com

For more information please visit
www.knaufinsulation.co.nz