



October 2015

Earthwool® DriTherm®

For masonry cavity walls

Description

Earthwool DriTherm Cavity slabs are made using recycled glass 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 DriTherm Cavity 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 DriTherm Cavity slabs can be used in masonry cavity external walls and are installed to fully fill the cavity. They are 600mm wide to suit standard vertical wall tie spacings, ensuring a closed joint with adjacent slabs.

Earthwool insulation is highly resilient, recovering quickly to full thickness. It also greatly reduces the transmission of noise in the home.

Performance

Thermal Conductivity

ASTM C 518 and AS/NZS 4859.1: 2002

Thermal Resistance

ASTM C 653 and AS/NZS 4859.1: 2002

CodeMark

Certification 30054

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® DriTherm® Cavity Slab

Certification

CodeMark certification for Earthwool DriTherm Cavity slabs approves the application and installation procedure for this product. The product is for use in existing masonry cavity walls, subject to the conditions detailed in CodeMark certificate 30054.

Specification Compliance

Earthwool DriTherm Cavity 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 international 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 DriTherm Cavity slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

Warranty

Earthwool DriTherm Cavity slabs are warranted to resist the transmission of liquid water from the outer masonry leaf to the inner masonry leaf in new cavity walls for 50 years.

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

Moisture Resistance

Earthwool DriTherm Cavity slabs comply with the Deemed to Satisfy provisions of the BCA in relation to cavity wall insulation and will not affect the moisture resistance of the wall.

Tests by the British Board of Agrément confirm that Earthwool DriTherm Cavity slabs will not transmit water to the inner leaf. Nor will they transmit moisture by capillary action across the cavity or from below damp proof course level.

Knauf Insulation's Earthwool products with ECOSE® Technology benefit from a formaldehyde-free binder based on rapidly renewable materials instead of petro-based chemicals which is up to 70% less energy intensive. 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 dye or artificial colours – the colour is completely natural.

Specification Guide

The cavity wall insulation shall be Earthwool DriTherm Cavity Slab insulation R*, *mm thick, CodeMark certified 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.

Earthwool® DriTherm® Cavity Slab

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 insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- Earthwool insulation 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 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	1.4	50	1100	600	5.3



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