

EARTHWOOL® SOFFIT LINER BOARD

August 2019



APPLICATIONS



DESCRIPTION

Soffit Liner board is a faced high-density Earthwool® board that is suitable for the thermal and acoustic insulation of building soffits. The board is bonded with ECOSE® Technology, a revolutionary binder based on rapidly renewable materials instead of petro-based chemicals. Soffit Liner board with ECOSE® Technology is specifically designed as a thermal and acoustic material for the treatment of concrete soffits in commercial buildings. There are a range of facings to suit specific applications, and to offer an optimum combination of efficient sound absorption and low thermal conductivity. The insulation is less dusty and easy to cut. The rigid board provides an excellent finish and requires less fixings, which makes installation fast.

EARTHWOOL PERFORMANCE

Temperature Range	Operating temperatures from -18°C to 230°C.
Thermal	AS/NZS 4859.1 compliance.
Water Vapour Absorption	Less than 5% by weight when exposed to air at 49°C and 95% humidity for 96 hours.
Fire Resistance (Earthwool®)	AS1530.1:1994 non-combustible.
Resists Microbial Growth	Does not promote or support the growth of mould, fungi or bacteria.
Corrosiveness	Will not accelerate corrosion of aluminum, steel or copper.
Fire Hazard Properties (AS/NZS 1530.3:1999)	Ignitability: 0, Spread of flame: 0, Heat evolved: 0, Smoke developed: 1.

BENEFITS

- ✓ Proven performance
 - Preferred by professional installers.
 - Excellent acoustic properties reduce sound transmission
- ✓ Durability
 - Odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.
- ✓ Superior Handling
 - Consistent quality materials cut easily and installs fast.
 - Highly resilient insulation recovers quickly to full thickness.

CERTIFICATION



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ADDITIONAL INFORMATION

Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings, AS1530.1 Method of Fire Testing on Building Materials, AS1530.3 Early Fire Hazard Properties. Earthwool® Soffit Liner board will contribute to compliance with the Building Code of Australia (BCA) requirements.

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.

Specifications

- Boards are available in 1200mm x 2200mm widths and custom sizes by request.
- Board thicknesses are 50mm, 68mm and 100mm to reflect an R1.5, R2.0 and R3.0 material R-Value.

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.

Durability

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

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustic, thermal and fire resistance.

Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation supports 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.

Storage

- Protect material from water damage or other abuse. Pallets are not designed for outside storage.

Facings

- Silver heavy duty foil
- Silver heavy duty perforated foil
- White heavy duty foil
- Black matt facing
- Non-faced for custom facing options.

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SPECIFICATIONS

Board property	R-Value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	NRC Rating
Unfaced	1.5	32	50	0.95
Unfaced	2.0	32	68	1.05
Unfaced	3.0	32	100	1.10
Heavy Duty Foil	1.5	32	50	0.95
Heavy Duty Foil	2.0	32	68	1.05
Heavy Duty Foil	3.0	32	100	1.10
Black Matt Facing (BMF)	1.5	32	50	0.95
Black Matt Facing (BMF)	2.0	32	68	1.05
Black Matt Facing (BMF)	3.0	32	100	1.10



Earthwool® 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. Earthwool® products made with ECOSE® Technology contain no added dyes or artificial colours.

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