

EARTHWOOL SOFFIT LINERBOARDS

March 2018



with **ECOSE**[®] TECHNOLOGY

APPLICATIONS



DESCRIPTION

Earthwool Soffit Linerboard is a laminate of a compression resistant, non-combustible Rock Mineral Wool slab with a variety of aesthetic finishes designed to provide a robust faced solution suitable for installation in semi-exposed environments such as those associated with open sided car parks.

PERFORMANCE

| | |
|---------------------------|---|
| Thermal | Mineral wool - 0.035 W/mK |
| Thermal conductivity: | Calcium silicate board facing - 0.14 W/mK |
| Fire | Mineral wool - EUROCLASS A1 to BS EN 13501-1 |
| Classification: | Calcium silicate facing - BS 476 Part 4 Non-Combustible and BS 476 Part 22 |
| Vapour resistivity | Mineral wool - 5.00MN/g.m |
| Water vapour resistivity: | Calcium silicate board facing - 200MN/g.m |

BENEFITS

- ✓ Weather tolerant
- ✓ Suitable for refurbishment
- ✓ Aesthetic finish

SPECIFICATIONS

| Thickness (mm) | Thermal conductivity (W/mK) | Thermal resistance (m ² K/W) | Length (mm) | Width (mm) | Pieces per pack | Area per pack (m ²) | Slabs per pallet |
|---|-----------------------------|---|-------------|------------|-----------------|---------------------------------|------------------|
| Earthwool Soffit Linerboard Standard | | | | | | | |
| 165 | 0.035 | 4.70 | 1200 | 600 | 28 | 20.16 | 28 |
| 130 | 0.035 | 3.70 | 1200 | 600 | 36 | 25.92 | 36 |
| Earthwool Soffit Linerboard Extra | | | | | | | |
| 165/6 | 0.035 / 0.14 | 4.75 | 1200 | 600 | 14 | 10.08 | 14 |
| 130/6 | 0.035 / 0.14 | 3.75 | 1200 | 600 | 18 | 12.96 | 18 |

All dimensions are nominal

Bespoke Sizes

Earthwool Soffit Linerboard is available in bespoke dimensions to suit specific thermal and aesthetic requirements in thicknesses from 50 to 270mm.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

Earthwool Soffit Linerboards are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Earthwool Soffit Linerboard is used for the thermal and acoustic insulation of soffits in a wide range of both residential and non-residential buildings. The Rock Mineral Wool element of Earthwool Soffit Linerboard is non-combustible which makes it ideal for the underlining of car parks and garages. Earthwool Soffit Linerboard is available in various facing materials all of which are suitable for applications where it will be installed in exposed or semi-exposed environments.

Aesthetics

Earthwool Soffit Linerboards are available with a variety of facings.

- Tough, puncture resistant black tissue facing
- Calcium silicate building board (6mm)

Alternate facings are available as a bespoke product upon request and subject to a minimum order quantity.

Standards

The rock mineral wool element of Earthwool Soffit Linerboards is manufactured in accordance with BS EN 13162, ISO 50001 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.

Environmental

Earthwool Soffit Linerboards represent no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential. The Rock Mineral Wool element has a BRE generic Green Guide rating of A.

Vapour resistivity

Earthwool Soffit Linerboards offer negligible resistance to the passage of water vapour. The rock mineral wool element to all variants having a water vapour resistivity of 5.00MNs/g.m. The black tissue face to Soffit Linerboard Standard has a water vapour resistivity of 200 MNs/g.m.

Handling and storage

Earthwool Soffit Linerboards are easy to handle and install, and easily cut to size where necessary. They are supplied in polythene wrap which is designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Earthwool Soffit Linerboards should not be left permanently exposed to the elements.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-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. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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