



March 2010

Earthwool® Soffit Linerboard Standard and Earthwool Soffit Linerboard Extra

For lining soffits

Description

Earthwool Soffit Linerboard Extra is a laminate of rock mineral wool slab and a tough, weather resistant facing board. Earthwool Soffit Linerboard Standard is a laminate of rock mineral wool slab with a tough, puncture resistant black tissue facing. Both are non-combustible, and provide a robust faced solution suitable for installation in exposed or semi exposed environments such as those associated with open sided car parks. Earthwool Soffit Linerboard is square edged.

Application

For the thermal and acoustic insulation of residential and non-residential soffit applications, whilst also providing enhanced fire performance. Earthwool Soffit Linerboards are 1200 x 600mm for ease of handling. The non-combustible nature of Earthwool Soffit Linerboards makes them ideal for soffit lining and underlining of car parks and garages. The rock mineral wool insulation used in this solution offers high thermal performance and has good compression resistance.

Performance

Thermal conductivity

The rock mineral wool content of Earthwool Soffit Linerboard has a thermal conductivity of 0.037W/mK, the facing board on Earthwool Soffit Linerboard Extra has a thermal conductivity of 0.193W/mK.

Fire

The rock mineral wool content of both Earthwool Soffit Linerboards is classified as Euroclass A1 BS EN ISO 13501-1. In the event of a fire it will emit negligible quantities of smoke and fumes and the heat emission from the product is insignificant. The facing of both variants is classified as Class 1 Surface spread of flame to BS 476: Part 7:1987, and Class 'O' to the Building Regulations.

Benefits

- Weather resistant
- Non-combustible
- Suitable for refurbishment
- Aesthetic finish with other facings available on application

with **ECOSE** TECHNOLOGY



Earthwool® Soffit Linerboards

Thermal performance

In a typical concrete soffit construction the 130mm thickness of both Earthwool Soffit Linerboards will achieve a U-value of 0.25W/m²K.

Standards

The rock mineral wool content of Earthwool Soffit Linerboards is non-combustible inorganic rock mineral wool, defined as mineral wool in BS 3533:1981 and is manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001:2000 and Product Standard EN 13162.

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.

Moisture resistance

Earthwool Soffit Linerboards have moisture resistant facings which make the product suitable for applications where it will be installed in exposed or semi exposed environments such as those associated with open sided car parks.

Environmental

Earthwool Smoke and Fire Barrier is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represent no known threat to the environment. **Earthwool Smoke and Fire Barrier 's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

Earthwool Soffit Linerboards are easy to handle and install, being lightweight and easily cut to size, where necessary. Earthwool Soffit Linerboards are supplied in polythene packs which are 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. When cutting the facing board on Earthwool Soffit Linerboard Extra it is advisable to wear a face mask to guard against dust, no special protective clothing is required.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Length (mm)	Width (mm)	Slabs per pack	Area per pack (m ²)
Earthwool Soffit Linerboard Standard						
165	0.037	4.45	1200	600	28	20.16
130	0.037	3.50	1200	600	36	25.92
Earthwool Soffit Linerboard Extra						
165/6	0.037/0.193	4.48	1200	600	14	10.08
130/6	0.037/0.193	3.53	1200	600	18	12.96

All dimensions are nominal

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-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. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

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