



RocksilK Soffit Linerboard Standard & Extra

Description

RocksilK Soffit Linerboard Extra is a laminate of RocksilK fire resistant slab and a tough, weather resistant fibre reinforced cement facing board. RocksilK Soffit Linerboard Standard is a laminate of RocksilK fire resistant slab with a tough, puncture resistant black tissue facing. Both are thermally efficient, improve acoustic performance, 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.

RocksilK Soffit Linerboard is square edged.

Application

For the thermal and acoustic insulation of residential and non-residential soffit applications, whilst also providing enhanced fire resistance performance. Both RocksilK Soffit Linerboards are 1200 x 600mm for ease of handling. The non-combustible nature of the insulation in both RocksilK 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.

Standards

The mineral wool of both RocksilK Soffit Linerboards is non-combustible inorganic rock wool, defined as mineral wool in BS 3533, manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001: 2000.

Permanence

The rock mineral wool in both RocksilK Soffit Linerboards is rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria. The mineral wool is also odourless and non-hygroscopic.

Performance

Thermal

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

For project specific calculations please contact our Technical Advisory Centre.

Fire

The mineral wool of both RocksilK Soffit Linerboards is classified as Euroclass A1 BS EN ISO 13501-1. The rock mineral wool in both RocksilK Soffit Linerboards has an extremely high melting point of over 1000°C. In the event of fire it will emit negligible quantities of smoke and fumes. The heat emission from the product is insignificant.

Benefits

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

Environmental

Rocksilk Soffit Linerboard is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment.

Rocksilk Soffit Linerboard's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.

Fire Performance

The mineral wool of Rocksilk Soffit Linerboard is classified as Euroclass A1 BS EN ISO 13501-1.

Rocksilk Soffit Linerboard can be used up to an operating temperature of 850°C. In the event of fire it will emit negligible quantities of smoke and fumes. 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.

Moisture Resistance

Both Rocksilk 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.

Handling and Storage

Rocksilk Soffit Linerboards are supplied on non-returnable wooden pallets wrapped in a polythene hood for temporary protection during transit and on site.

For longer term outside storage (stock or site) the pallets should be stored under a secure waterproof covering. If the boards do get wet allow them to thoroughly dry before installation.

When cutting the facing board on Rocksilk Soffit Linerboard Extra it is advisable to wear a face mask to guard against dust. No special protective clothing is required.

Installation

Both Rocksilk Soffit Linerboards are fixed directly to the structure using a suitable mechanical insulation fixing of types as recommended for soffit linings by Hilti, Ejot, Fischer or similar to support a solution of c.18kg/m². This is typically six fixings in a 1200 x 600mm sheet, though Knauf Insulation advises you to seek advice from the specific fixings manufacturer.

For ease of fixing, the facing board can be pre-drilled at fixing points prior to horizontal working. At junctions and edges care should be taken to ensure the insulation is covered with cement board at all times in the case of Soffit Linerboard Extra; or a suitable flashing at edges in the case of Soffit Linerboard Standard.

Product Data Rocksilk Soffit Linerboard Standard

Thickness	Thermal conductivity	Thermal resistance	Board size	Boards per pallet	Area per pallet
(mm)	(W/mK)	(m ² K/W)	(mm)		(m ²)
165	0.037	4.45	1200 x 600	28	21.16
130	0.037	3.50	1200 x 600	36	25.92

Product Data Rocksilk Soffit Linerboard Extra

Thickness	Thermal conductivity	Thermal resistance	Board size	Boards per pallet	Area per pallet
(mm)	(W/mK)	(m ² K/W)	(mm)		(m ²)
165/6	0.037/0.41	4.45	1200 x 600	14	10.08
130/6	0.037/0.41	3.50	1200 x 600	16	11.52

Rocksilk Soffit Linerboard Extra - approximately 18kg/m²

Cementitious facing board data:

Asbestos free, moisture resistant, cellulose fibre reinforced cement board

BS476: Part 7 surface spread of flame - Class 1

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