



SOFFIT SLAB

Thermal, fire and acoustic insulation for concrete soffits

ROCKWOOL Soffit Slab is manufactured using, non-combustible stone wool insulation. Available with a plain, foil or tissue facing which can provide up to 4 hours fire protection to the underside of concrete soffits.

Hi-Impact Soffit Slab

With a 6mm rigid fibre cement board facing, this combination of two non-combustible products provides increased impact resistance and durability. Available in various thicknesses, the off-white facing can be easily decorated to match design and colour schemes.

- Thermal performance
- Acoustic insulation
- Non-combustible stone wool insulation and facing options
- Up to 4 hours* fire resistance
- Water repellent
- Easily cut to accommodate services
- Simply butt together at joints
- Hi-impact option for durability

**Subject to application*



SOFFIT SLAB



APPLICATIONS

Suitable for use with concrete soffits where a thermal, fire or acoustic performance is required.

SOFFIT SLAB

PERFORMANCE

Fire performance

Soffit Slabs have been tested to BS EN 1363-1 to offer fire protection to reinforced concrete soffits. When applied to the soffit using the recommended fixings and pattern, 130 and 140mm thick products, with and without facings, provide 3 hours fire insulation and integrity to a minimum 90mm thick floor slab. 150 and 160mm thicknesses provide 4 hours to a minimum 150mm thick slab.

Thermal performance

ROCKWOOL® Soffit Slab has a thermal conductivity (k value) of 0.034 W/mK.

Thermal resistance of un-faced Soffit Slab:

- 130mm Soffit Slab: 3.82 m²K/W
- 145mm Soffit Slab: 4.26 m²K/W
- 160mm Soffit Slab: 4.70 m²K/W

A typical construction comprising of a 150mm concrete floor slab underlined with 130mm thick Soffit Slab would achieve a U-value of 0.25W/m²K. A U-value of 0.20 W/m²K can be achieved using 160mm thick Soffit Slab.

PRODUCT INFORMATION

Property	Description
Length	1000mm (High Impact – 1200mm)
Width	600mm
Thickness	130, 145, 160mm
Thermal conductivity	0.034 W/mK
Reaction to fire	Euroclass A1
Fire resistance	Up to 4 hours

STANDARDS AND APPROVALS

Certificate

ROCKWOOL® Soffit Slab achieves a reaction to fire classification of A1 as defined in BS EN 13501-1.

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INSTALLATION

When fixing a tile or modular system, it is advisable to start with a focus reference slab in the centre of the soffit with subsequent slabs being fixed working towards each edge. The use of string lines or laser alignment equipment will assist in ensuring alignment and squareness of the installation.

Mechanical fixings

Soffit Slabs should be fixed direct to the concrete soffit using Ejoyt DDS fixings with the Ejoyt DDT70 washer or similar. Recommended number and pattern of fixings for each slab size are shown in figures 1 and 2 below. Care should be taken not to over-tighten fixings to prevent damage to slab surface. For further information on fixing type and suitability, please refer to the fixing manufacturer.

Fixing size guide

	High Impact Soffit Slab		Plain, Foil & Tissue Faced Soffit Slab		
Thickness	136mm	166mm	130mm	145mm	160mm
Ejoyt fixing	DDS 7.3 x 175mm	DDS 7.3 x 200mm	DDS 7.3 x 175mm	DDS 7.3 x 175mm	DDS 7.3 x 200mm
Ejoyt washer	DDT 70mm				

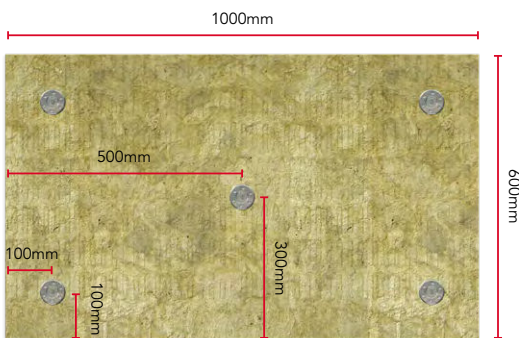


Figure 1

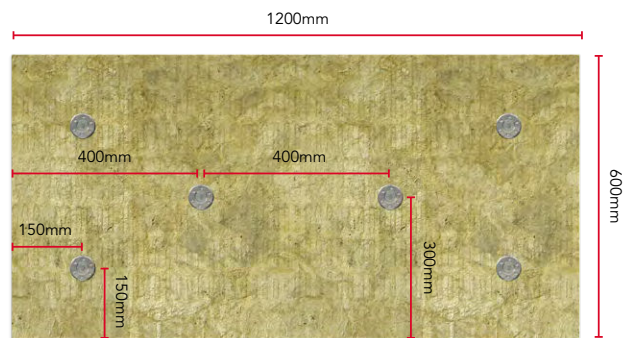


Figure 2

Light fittings and services

Soffit insulation products should not be used for supporting light fittings or services. Such installations should be supported from the concrete soffit.

SPECIFICATION CLAUSES

The insulation/fire protection of the concrete soffit is to be ROCKWOOL® Soffit Slab alu-faced / High impact / white tissue / black tissue / un-faced¹mm thick², as manufactured by ROCKWOOL® Limited, Pencoed, Bridgend CF35 6NY and installed in accordance with the manufacturer's recommendations.

¹Delete as necessary. ²Insert required thickness.

ROCKWOOL® Soffit Slab is associated with the following NBS specification clauses:

K11 Rigid sheet flooring/sheathing/decking/sarking/linings/casings
885 Fire Protection Board
890 Board

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DISCLAIMERS

ROCKWOOL Limited, its affiliates, its agents and employees and all persons acting on its or their behalf (collectively "ROCKWOOL"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product. Usage of the information remains under the sole responsibility of the purchaser and/or user.

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Information contained in this data sheet is up-to-date as at the date of issue. As ROCKWOOL Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, ROCKWOOL Limited will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied by law.

SUPPORTING INFORMATION

For further information relating to any aspect of the FIREPRO range, please refer to the applicable ROCKWOOL standard details at www.rockwool.com/uk or contact the ROCKWOOL technical solution team on 01656 868490 or technical.solutions@rockwool.com.

SUSTAINABILITY

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



Fire resistance



Acoustic comfort



Sustainable materials



Durability

HEALTH & SAFETY

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from www.rockwool.com/uk to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

ENVIRONMENT

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.