



Soffit Slab

Thermal, fire and acoustic insulation for concrete soffits

ROCKWOOL Soffit Slab is a non-combustible thermal insulation product suitable for concrete soffits, capable of providing up to 4 hours' fire protection.

The product is available with optional aluminium foil and tissue facings.

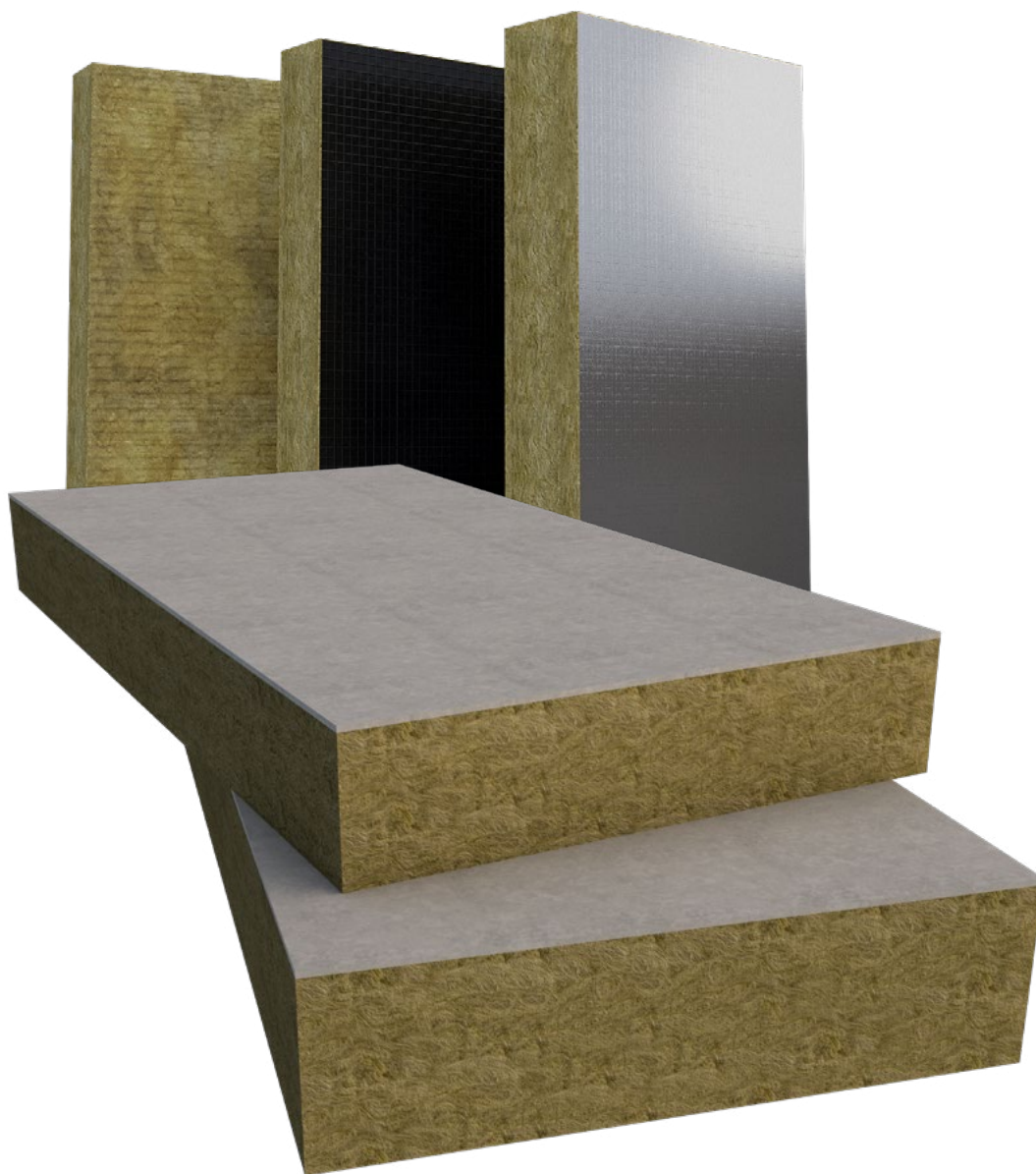
For applications requiring increased impact resistance, Hi Impact Soffit Slab features a bonded 6mm fibre cement board. This composite product is non-combustible and features a Euroclass A2-s1, d0 rating.

- 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

**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 or 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 / A2-s1, d0 (Hi Impact)
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. Suitable fixings are available from many other supplier including Fischer, Hilti, Rawplug and SPIT. 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				

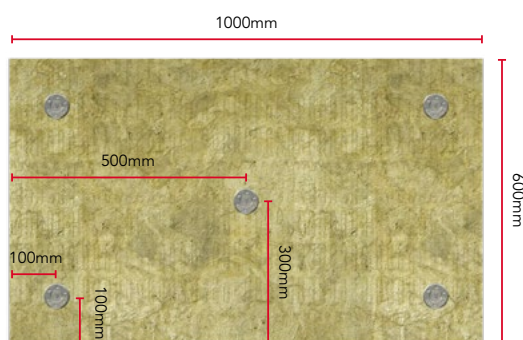


Figure 1

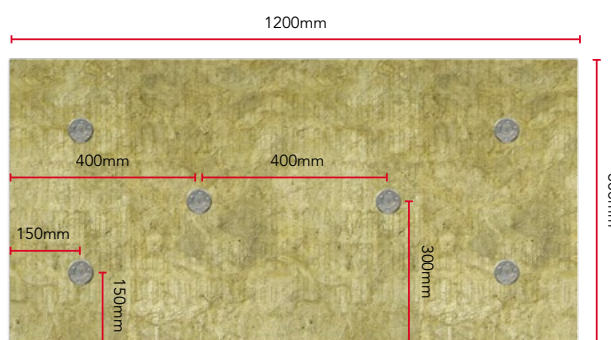


Figure 2

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

LEGAL NOTICES

General safety requirements – Building Safety Act 2022

ROCKWOOL Limited is committed to supporting specifiers, resellers and users of ROCKWOOL products for the full life cycle of the product to comply with the obligations and responsibilities set out in the Building Safety Act 2022. With regard to the general safety requirements of the Act, ROCKWOOL Limited cannot control or foresee every situation where its products might be used. We therefore strongly advise that specifiers, resellers and users contact us where use of ROCKWOOL products is contemplated in applications different from those explicitly described in the latest, relevant ROCKWOOL product datasheets; especially in applications that can be reasonably foreseen as critical to safety.

ROCKWOOL Limited reserves the right to amend the specification of its products without notice. Changes to the ROCKWOOL manufacturing process, or to pertinent regulations, may be reflected in changes to tested and certified product performance. Whilst ROCKWOOL Limited endeavours to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law or other developments affecting the accuracy of the information contained in our publications.

ROCKWOOL Limited does not accept responsibility for the consequences of using (including testing or certifying) its products in applications different from those explicitly described in the relevant ROCKWOOL product datasheets. Expert advice should be sought, and ROCKWOOL Limited should be contacted, where such different use is contemplated, or where the extent of any use described by ROCKWOOL Limited is in doubt.

The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the most important assets of the ROCKWOOL Group, and is therefore well-protected and defended by ROCKWOOL throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion, you must apply for a Trade Mark Usage Agreement.

To apply, write to:
marketcom@rockwool.com

Trademarks

Registered trademarks of the ROCKWOOL Group include but are not limited to:

ROCKWOOL®, RockClose®, RainScreen Duo Slab®, HardRock®, RockFloor®, Flexi®, RockFall®, FirePro®, DuctRock®, BeamClad®, NyRock®

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HEALTH & SAFETY

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)

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ROCKWOOL stone wool - safe to install and live alongside

There are no hazardous classifications associated with stone wool insulation manufactured by ROCKWOOL-UK according to EU REACH and UK REACH regulations on health and the environment.

ROCKWOOL safe use instruction sheets and material safety data sheets (where applicable) can be downloaded [here](#).



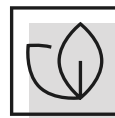
Sustainability

ROCKWOOL products are used to enrich modern living, creating safer, healthier and more climate-resilient communities.

We transform abundant, natural volcanic rock into stone wool insulation products that are used to reduce energy demand, lower fuel bills and help address society's climate change challenges.

ROCKWOOL stone wool insulation is recyclable and can be transformed into new ROCKWOOL products. Please contact us for details of how we can work together to recycle waste ROCKWOOL stone wool material that may be generated during on-site installation.

Our annual sustainability reports, which set out progress against our sustainability goals, and further details of the positive impacts of using our products can be found on our website.



Environment

ROCKWOOL takes a fact-based, auditable approach to documenting our progress in maximising our products' positive impact and minimising the effect our operations have on the environment, backed by third-party references and methodologies. Further details can be found online in our annual sustainability report.

Our high-tech production process uses filters, pre-heaters, after-burners and other cleaning and collection systems that help to reduce the effects of our manufacturing operations on the environment.

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

