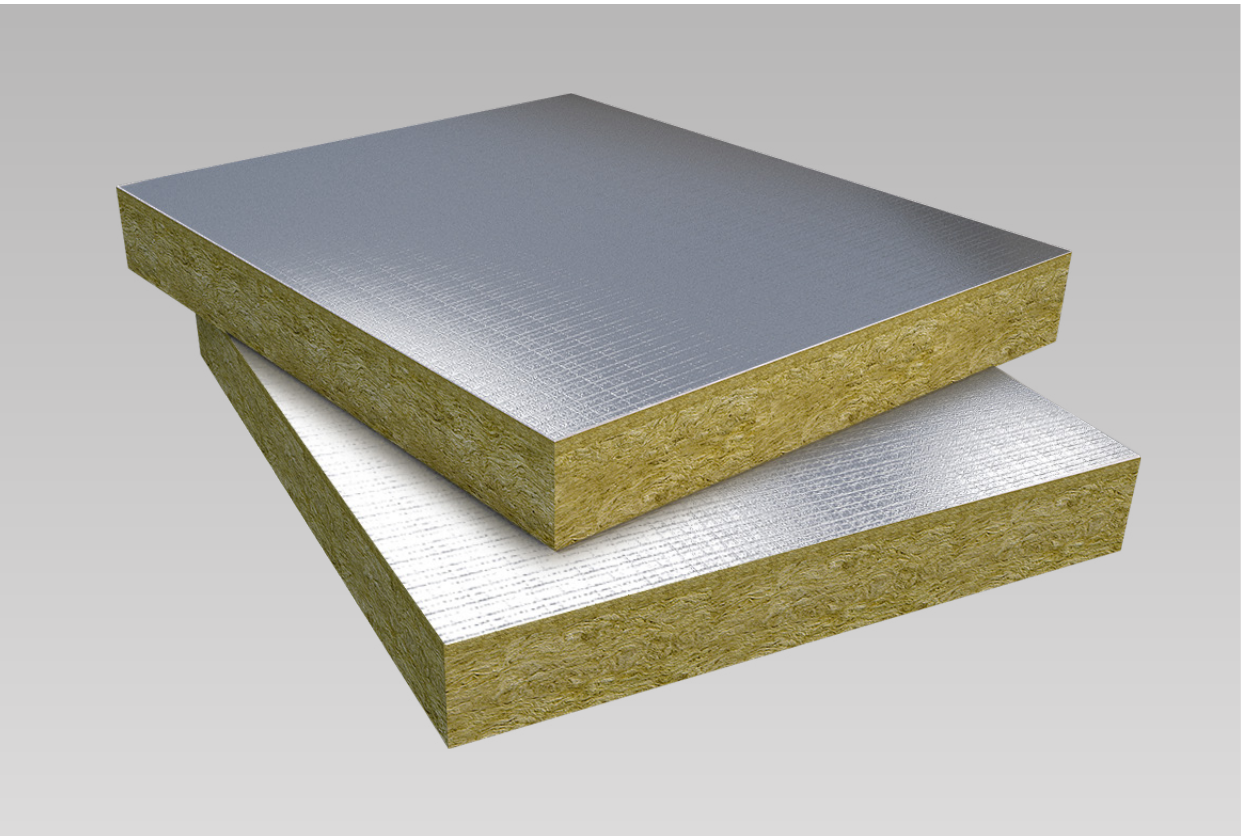
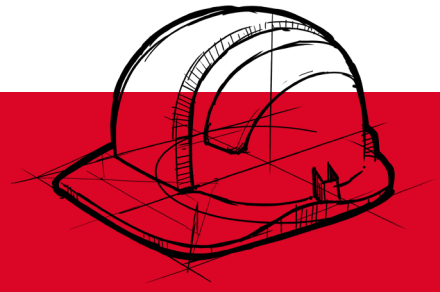


DuoDuct Slab

Thermal insulation for square and rectangular external ductwork.

ROCKWOOL DuoDuct Slab is a non-combustible, dual-density stone wool slab with an aluminium foil facing bonded to the outer surface. The outer layer provides a suitable surface for the application of insulation cladding systems.

- DuoDuct Slab has a reaction to fire classification of A1 in accordance with EN 13501-1: 2018.
- The non-directional fibre orientation and density of ROCKWOOL stone wool help absorb sound waves and dampen vibrations, contributing to a reduction in the transmission of external noise when used in external wall applications.
- Suitable for use with self-adhered external duct membranes.
- Manufactured with dual-density technology.



DuoDuct Slab is a non-combustible stone wool slab, which provides thermal insulation to external ducts carrying warm air, chilled air, or dual-purpose duct systems.

The insulation is designed for use with square or rectangular external ducts to withstand service temperatures of up to 230°C.

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DuoDuct Slab

APPLICATIONS

DuoDuct Slab has been designed for use with rectangular and square external duct work carrying warm air, chilled air, or dual-purpose duct systems. DuoDuct Slab is suitable for ductwork with service temperatures up to 230°C.

DuoDuct Slab is also suitable for use within plant rooms, low-level plant work applications, and areas where there is an increased risk of impact damage.

Circular Ductwork

RockLap H&V Pipe Sections are suitable for use on circular ductwork up to 406mm in diameter.

For further information on suitable external finishes, please refer to the HVAC Systems Guide.

This product is intended for use on the external side of the vapour barrier.

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DuoDuct Slab

PERFORMANCE

Fire performance

DuoDuct Slab has a reaction to fire classification of A1 in accordance with EN 13501-1: 2018.

Thermal performance

The maximum service temperature is 230°C, in accordance with EN 14706: 2012.

Acoustic performance

It is sometimes desirable to improve the acoustic insulation on duct systems, especially those in which gases, fluids or particle solids are transported at high velocities. The non-directional fibre orientation and density of ROCKWOOL stone wool help absorb sound waves and dampen vibrations, contributing to a reduction in the transmission of external noise.

PRODUCT INFORMATION

Property	Description
Length	2000mm
Width	1200mm
Thickness	50mm

Durability

Tests of our stone wool recovered from old buildings have shown that it retains its performance characteristics – thermal, mechanical, fire resistance – for at least 50 years, and probably longer. A test of a 65-year-old stone wool sample found in 2023 during a renovation of Copenhagen airport showed that these characteristics had not diminished after 65 years.*

**Testing done at Danish Technical Institute (DTI) in 2023, "Testing ROCKWOOL insulation from CPH airport hangar 4"*

Biological

ROCKWOOL stone wool insulation is vapour permeable, reducing the risk of condensation, which can lead to rot, mould, and humidity damage.

STANDARDS AND APPROVALS

Certificate
DuoDuct Slab has been CE marked in accordance with BS EN 14303: 2015. To download a copy of the Declaration of Performance, please visit: rockwool.com/uk/dop.
DuoDuct Slab can be used to satisfy the requirements of BS 5422: 2023 'Method for specifying thermal insulating materials'.

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DuoDuct Slab

INSTALLATION

The following installation guidance notes should be read in conjunction with the recommendations given in BS 5970: 2012.

- The insulation should be handled with care to prevent physical damage to the DuoDuct Slab boards.
- DuoDuct Slab can be cut using an insulation knife or insulation saw. Ensure that all board cuts are accurate and square to achieve close butting of the joints when applying to the ductwork.
- Duct surfaces must be clean, dry, and free from grease, dust, dirt, rust, and other foreign matter.
- DuoDuct Slab must be securely fixed to the ductwork using a suitably approved adhesive, using self-adhesive stick pins, or a combination of both fixing methods. The maximum surface temperature of the ductwork should not exceed the maximum service temperature of the selected fixing method; guidance should be sought from the manufacturers.
- DuoDuct Slab should be installed with closely butted insulation joints, also ensuring a close fit to the actual ductwork.
- When installing onto horizontal ductwork, the side boards must overlap the base (bottom) board, and the top board must overlap the side boards (Figure 2).
- All board joints must be securely taped with suitable aluminium foil self-adhesive (Idenden type T303 or similar approved) to maintain a continuous vapour barrier.
- For the purposes of inspection and maintenance, a suitably sized and sealed section of DuoDuct Slab can be applied at access door locations if the door is not already pre-insulated.

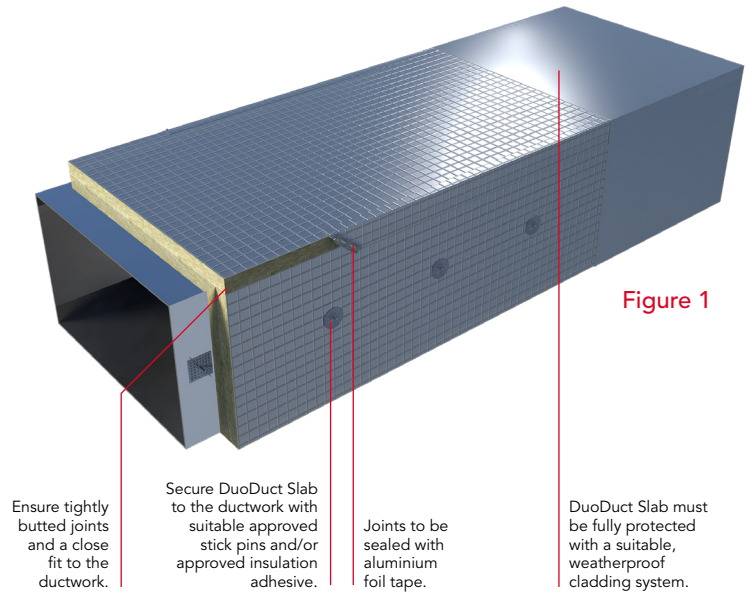

Figure 1

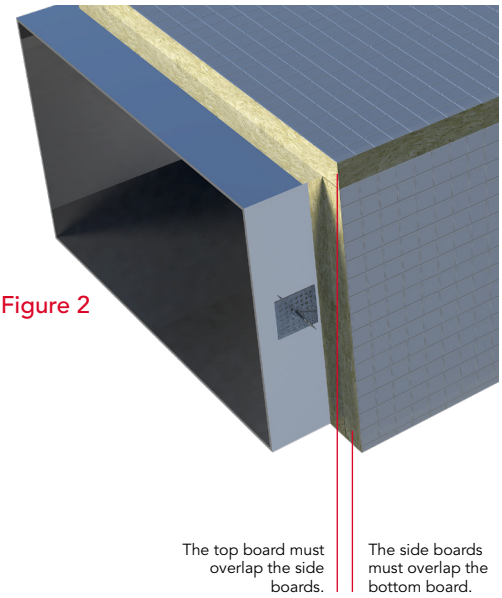

Figure 2

Weather protection

DuoDuct Slab must be fully protected with a suitable weatherproof cladding system.

Suitable finishes include:

(a) Flat aluminium zinc coated steel protection
(b) Ribbed aluminium zinc coated steel protection
(c) Aluminium sheeting protection
(d) Mild sheet steel protection
(e) Self-adhesive weather resistant zero perm multi-layer laminate
(f) Polyisobutylene
(g) Roofing felt protection

The weatherproof cladding system chosen must always be installed in accordance with the manufacturer's recommendations. For further information on suitable external finishes, please refer to the HVAC Specification Guide available at: rockwool.com/uk

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BUILDING SAFETY AND PRODUCT USE

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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If you require permission to use ROCKWOOL images, you must apply for a Usage Agreement.

To apply, write to:
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HEALTH & SAFETY

A Material Safety Data Sheet is available and can be downloaded from 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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DuoDuct Slab

Company:	ROCKWOOL Limited
Version:	Version 2.02 August 2026 *(to check this is the latest version, please refer to rockwool.com/uk)*
Revised on:	10.08.2026
Product name:	DuoDuct Slab
Replaces version:	Version 2.01 March 2026
Changes made:	• Updated application information
Additional information:	

Please ensure you are using the latest version of this document by verifying it on our official website. Do not rely on printed or previously downloaded copies, as these may be out of date.

Please contact the ROCKWOOL Technical Support Team if you would like to access archived versions of this document.

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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 help enrich modern living, supporting more resilient and comfortable buildings.

We transform abundant, natural volcanic rock into stone wool insulation products that help our customers tackle energy consumption, noise pollution, fire resilience, and climate change challenges such as water scarcity and flooding.

Since our stone wool is endlessly recyclable with no loss in its performance properties, we can take back clean, uncontaminated new off-cuts, and unused ROCKWOOL stone wool insulation from construction sites in the UK. Our service, Rockcycle®, takes back our stone wool and recycles it back into production where it is used to make new ROCKWOOL products.

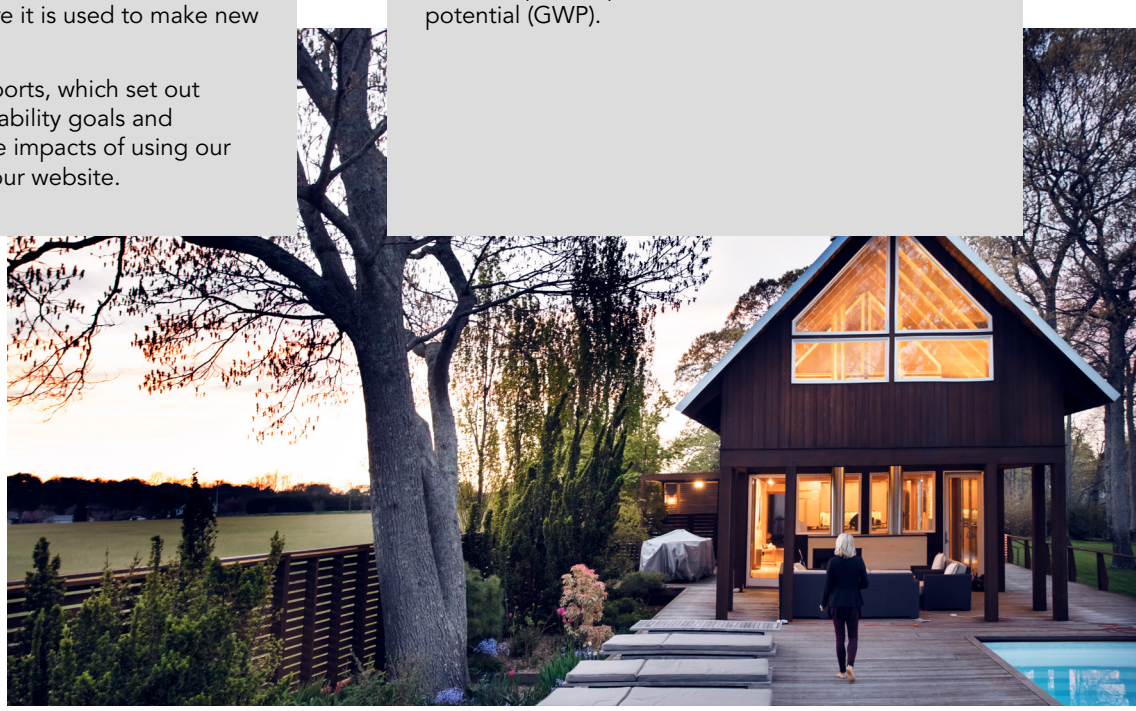
Our annual sustainability reports, which set out progress against our sustainability goals and further details of the positive impacts of using our products, can be found on our website.

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).



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