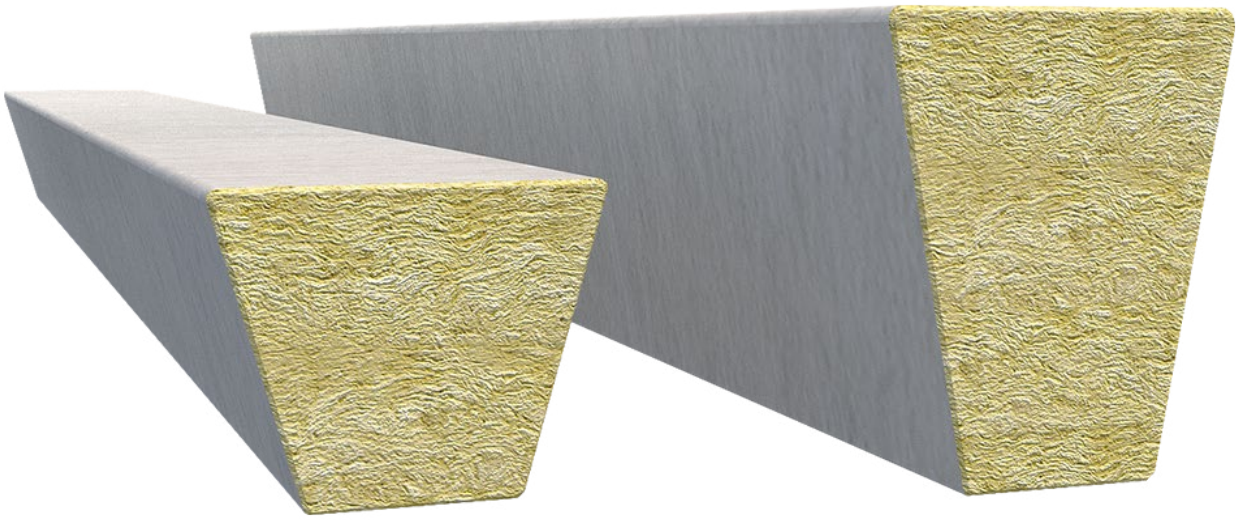


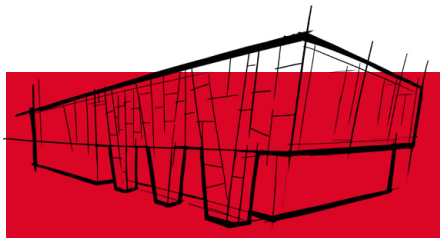
Acoustic Infills

Sound absorption for perforated metal decks.

ROCKWOOL Acoustic Infills combine optimal density and random fibre orientation to provide improvement in sound absorption when used within the troughs of perforated metal roof decks. Acoustic infills have been tested in accordance with BS EN ISO 354:2003 and the results can be found in test report C/06/5L/3434/2. The product is wrapped in a factory-applied white tissue facing.

For the best performance, we recommend using in combination with ROCKWOOL HardRock® Multi-Fix roofing boards.

- The non-directional fibre orientation and density of ROCKWOOL stone wool helps absorb sound waves and dampen vibrations, reducing the transmission of external noise when used in external wall applications.
- Pre-cut to suit specific profiles.
- Faced on all sides with an acoustically transparent tissue covering.
- Class C sound absorption.
- Vapour control layer can be installed directly onto the roof decking.

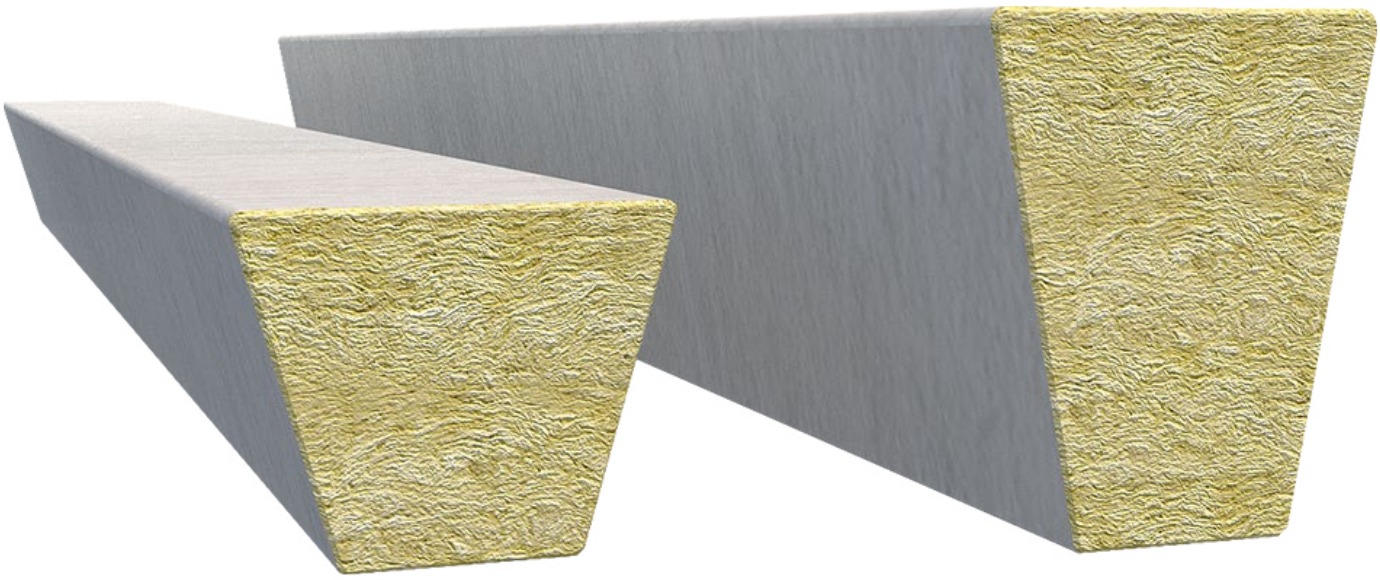


Acoustic Infills are a solution to control indoor acoustic environments.

Acoustic Infills are engineered to fit within the troughs of a perforated metal deck, where they act to absorb incident sound that would otherwise be reflected back into the space below. This lowers the reverberation time within the room, which lowers the noise level.

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Acoustic Infills



APPLICATIONS

Acoustic Infills are used across all sectors, including commercial, industrial, leisure, health, and education. They are used to control noise in convention and sports halls, swimming pools, manufacturing plants, meeting areas, food courts, indoor concourses; to name but a few applications.

PERFORMANCE

The ability of the underside of the following roof build-up to absorb sound was tested to BS EN ISO 354 (Test report C/06/5L/3434/2):

- Acoustic Infills within perforated TATA D60 perforated steel deck (13% open area)
- Vapour control layer
- 210mm HardRock Multi-Fix
- Mechanically fastened single-ply membrane

Results

Frequency (Hz)	125	250	500	1000	2000	4000
Practical absorption coefficient	0.55	0.95	1.00	0.90	0.60	0.40

Weighted absorption coefficient $\alpha_w = 0.60$

Acoustic Infills

PRODUCT INFORMATION

To suit TATA deck	Length (mm)	Major (mm)	Minor (mm)	Thickness (mm)
D46	1200	116	63	42
D60	1200	106	60	55
D100	1200	120	59	95
D135	1200	161	39	130
D159	1200	138	34	150

Acoustic Infills to suit other deck types may be available upon request, subject to a minimum order quantity. For more information please contact your local ROCKWOOL representative.

Density

The standard density of Acoustic Infills varies between 45-60kg/m^3.

Handling

When handling Acoustic Infills they should be properly supported along their length.

Weather protection

Acoustic Infills should be stored under cover. Acoustic Infills that have become wet should be allowed to fully dry out naturally before use, at which point they should regain their original properties. For more information please contact Technical Solutions on 01656 868 490.

STANDARDS AND APPROVALS

Certificate
Absorption Classification - Class C (Test report - C/06/5L/3434/2)

INSTALLATION

Insert Acoustic Infills directly into the troughs of the metal deck, ensuring that all joints are tightly butted. Individual Acoustic Infills can be cut down to shorter lengths using an insulation knife if required.

Specify SPRA

The Single Ply Roofing Association (SPRA) represents membrane manufacturers, associated component manufacturers, and specialist subcontractors, and aims to ensure the delivery of best value single-ply roofing systems through a quality-assured partnership. By specifying products and specialist installation by SPRA Manufacturer, Associate, and Contractor members you can be assured that all parties meet strict quality criteria.

Compliance with these criteria and with the Code of Conduct is assessed at application, by annual audit, and by random spot checks. For further information, and to obtain copies of the SPRA Design Guide and other documents, go to spra.co.uk or call 0115 914 4445.

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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Health and 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).

Photography and illustrations

The product illustrations are the property of ROCKWOOL Limited and have been created for indicative purposes only.

Unless indicated below, the photography and illustrations used in this guide are the property of ROCKWOOL Limited. We reserve all rights to the usage of these images.

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

To apply, write to:
marketcom@rockwool.com

Acoustic Infills

Company:	ROCKWOOL Limited
Version:	Version 1.04 December 2025 *(to check this is the latest version, please refer to rockwool.com/uk)*
Revised on:	08.12.2025
Product name:	Acoustic Infills
Replaces version:	Version 1.03 August 2025
Changes made:	N/A
Additional information:	N/A

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.

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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