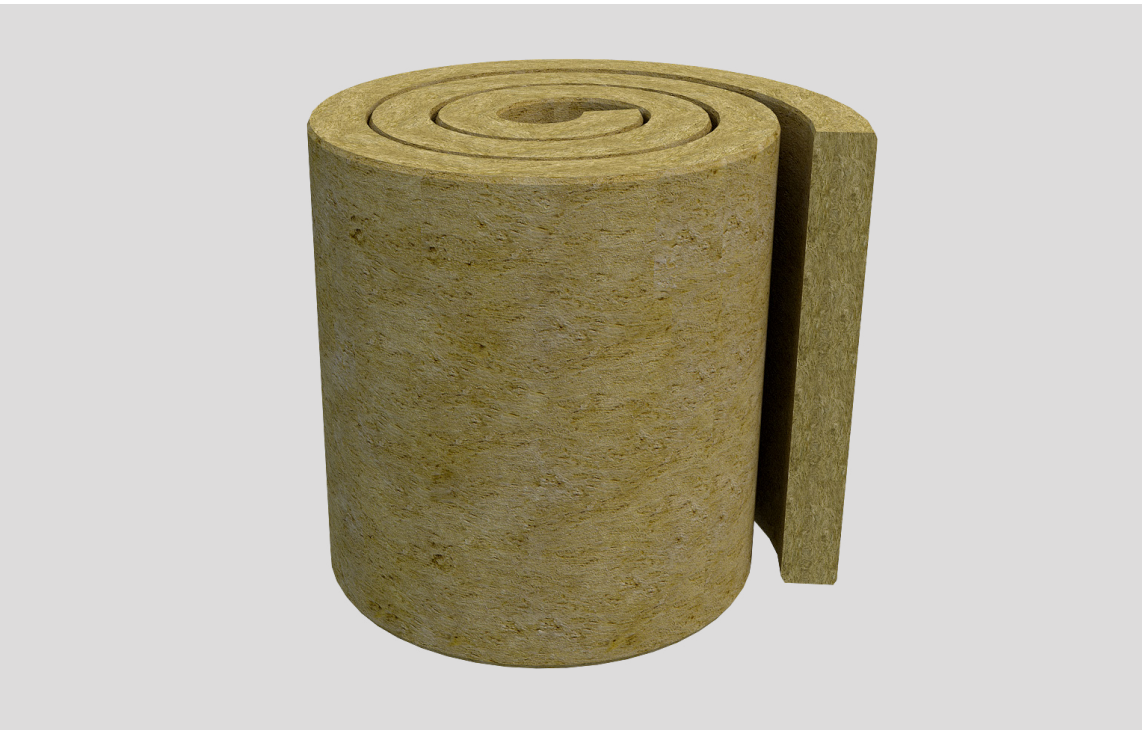


ROCKWOOL Roll, Twin Roll and Rollbatt

Thermal and acoustic solutions for roof and loft spaces.

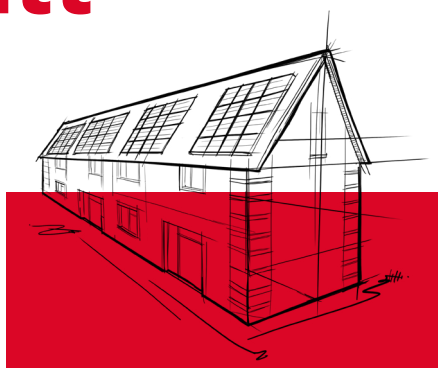
ROCKWOOL provides three variations of roll to deliver products for a variety of building types and loft spaces.

ROCKWOOL Roll consists of a single thickness of 1200mm wide roll, which can be cut to fit as required.

Twin Roll is pre-split into two 100mm thick layers in a pack. 100mm is installed between the joists, and then 200mm over the joists.

Rollbatt is pre-split into either two 600mm widths, or three 400mm widths.

- Thermal conductivity of 0.044 W/mK.
- Non-combustible – Euroclass A1 classification as defined in EN 13501-1: 2018.
- Multi-application for roof and loft spaces.
- Available as a complete roll, pre-cut widths, or pre-split.



ROCKWOOL Roll, Twin Roll and Rollbatt are stone wool products providing thermal and acoustic insulation, and Euroclass A1 reaction to fire.

ROCKWOOL Roll, Twin Roll and Rollbatt



APPLICATIONS

ROCKWOOL Roll products are suitable for a range of applications, including roof spaces in all types of building, and as an overlay for ceiling tiles in suspended ceilings.

ROCKWOOL Roll, Twin Roll and Rollbatt

PERFORMANCE

Thermal performance

ROCKWOOL Roll, Twin Roll and Rollbatt products achieve a thermal conductivity lambda (λ) value of 0.044 W/mK, in accordance with BS EN 13162:2012 + A1:2015.

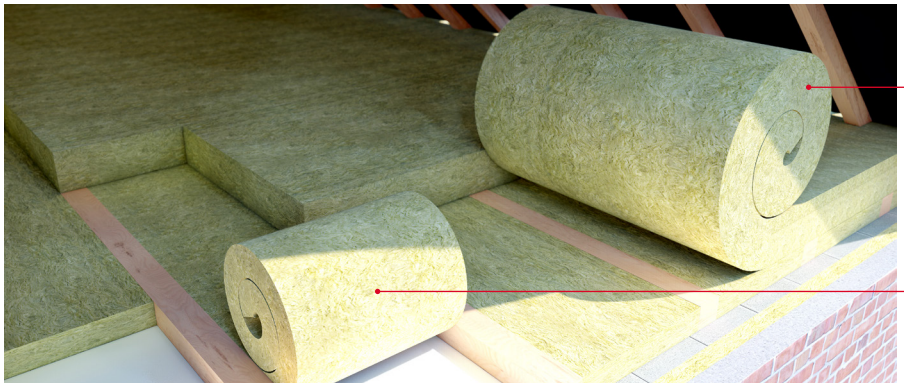
Loft insulation – U-values

To comply with Thermal Building Regulations across the devolved nations, new pitched roofs with loft spaces need to achieve U-values of between 0.13 and 0.09 W/m²K.

The table below shows different approaches to achieve a range of U-values in a loft application:

U-value (W/m²K)	Between joists (mm)	Plus	Over joists (mm)	Total thickness (mm)
0.17	100	+	150	250
0.16	100	+	170	270
0.14	100	+	200	300
0.12	100	+	250 (2 x 150)	350
0.11	100	+	300	400
0.09	100	+	400	500

These are based on internal calculations carried out according to BS EN ISO 6946: 2017.



ROCKWOOL Roll/Twin Roll/Rollbatt over the joists, cross laid over the joists.

ROCKWOOL Roll/Twin Roll/Rollbatt laid between the joists.

Fire performance

ROCKWOOL Roll products achieve the highest Euroclass A1 non-combustibility classification as defined in EN 13501-1: 2018.

ROCKWOOL Roll, Twin Roll and Rollbatt

PRODUCT INFORMATION

The following table details the product information and formats for the ROCKWOOL Roll products:

Product	Frame	Thickness (mm)	Width (mm)	Length (mm)	Area (m^2 per pack)	Lambda (W/mK)	R-value (W/m^2K)
Twin Roll	Pre-split (2 x 100mm thickness), not pre-cut	200 (2 x 100)	1200	2750	6.60	0.044	2.27
Roll	Single thickness, not pre-cut	150	1200	3200	3.84	0.044	3.41
Roll	Single thickness, not pre-cut	170	1200	3200	3.84	0.044	3.86
Rollbatt	Single thickness, pre-cut	100	1200 (2 x 600)	4800	5.76	0.044	2.27
Rollbatt	Single thickness, pre-cut	100	1200 (3 x 400)	4800	5.76	0.044	2.27
Rollbatt	Single thickness, pre-cut	150	1200 (2 x 600)	3200	3.84	0.044	3.41
Rollbatt	Single thickness, pre-cut	150	1200 (3 x 400)	3200	3.84	0.044	3.41

For further information on the declared performance characteristics, please refer to the product's Declaration of Performance.

INSTALLATION

- Water tanks: Insulation should not be placed directly under cold water tanks. Where access is required to water tanks etc, supports should be provided for a raised walkway.
- Loft hatches: To preserve the continuity of insulation, loft hatch covers should be insulated with a minimum 100mm thickness of ROCKWOOL Roll. Double-sided adhesive tape may be used to hold the insulation in place.
- Electrical cables: The 17th Edition IEE Wiring Regulations and British Standard BS 7671: 2008 provide guidance on the correction factors to be applied in down-rating cables according to the situation.
- Each case should be separately assessed. Where possible, all cables should be lifted free of the insulation.

To meet this thermal performance and minimise heat loss through the timbers, ROCKWOOL Roll, Twin Roll or Rollbatt should be cross-layered between and over the ceiling joists.

The first layer (generally of 100mm thickness) is rolled between the ceiling joists, which are normally spaced at 400mm or 600mm centres.

A second layer of ROCKWOOL Roll/Rollbatt (e.g. 170mm and 220mm thick) or Twin Roll (200mm thick) is then cross-layered to cover the first layer of insulation and the ceiling joists.

ADDITIONAL INFORMATION

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".*

Water resistance and moisture

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
ROCKWOOL Roll products satisfy the requirements of EN 13162: 2012+A1: 2015 "Thermal insulation products for buildings. Factory made mineral wool (MW) products".
Manufactured under ISO 14001: 2015 Environmental Management Systems, and ISO 9001: 2015 Quality Management Systems.

SPECIFICATION CLAUSES

The NBS clauses that include ROCKWOOL Roll, Twin Roll and Rollbatt can be found on NBS Source: source.thenbs.com

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®

© ROCKWOOL 2026.
All rights reserved.

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

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).

ROCKWOOL Roll, Twin Roll and Rollbatt

Company:	ROCKWOOL Limited
Version:	Version 1.04 November 2026 *(to check this is the latest version, please refer to rockwool.com/uk)*
Revised on:	28.10.2026
Product name:	ROCKWOOL Roll, Twin Roll and Rollbatt
Replaces version:	Version 1.03 March 2026
Changes made:	• Updated installation 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.

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).



Pencoed, Bridgend CF35 6NY
Tel: (+44) 1656 862 621 • technical.solutions@rockwool.com