

ROLL, TWINROLL AND ROLLBATT

Thermal loft insulation with added acoustic
protection and fire resistance



ROLL, TWINROLL AND ROLLBATT

ROCKWOOL Roll, Twin Roll and Rollbatt are medium density thermal insulation products with acoustic properties and Euroclass A1 fire resistance.

The products come as complete rolls, pre-cut, or pre-split for easy application. Suitable for roof spaces in all types of buildings or to overlay ceiling tiles in suspended ceilings.





Advantages

- Excellent thermal insulation
- Outstanding acoustic protection
- Non-combustible – Euroclass A1
- Multi-application
- Available as a complete roll, pre-cut widths, or pre-split, for easy installation
- Durability – will not sag or slump

Description

ROCKWOOL provides three variations of Roll to deliver products that are quick and easy to install, whatever the application.

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

TwinRoll is pre-split into 2 x 100mm thick layers in a pack, for quick and easy installation. 100mm is installed between the rafters, and then 200mm over the rafters.

Rollbatt is pre-split into either 2 x 600mm widths or 3 x 400mm widths.

Applications

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

Performance

Thermal

ROCKWOOL Roll, Twin Roll and Rollbatt products have a thermal conductivity (k value) of 0.044W/mK.

Fire classification

All ROCKWOOL Roll products achieve a reaction to fire classification of A1 as defined in BS EN 13501-1.

Acoustic

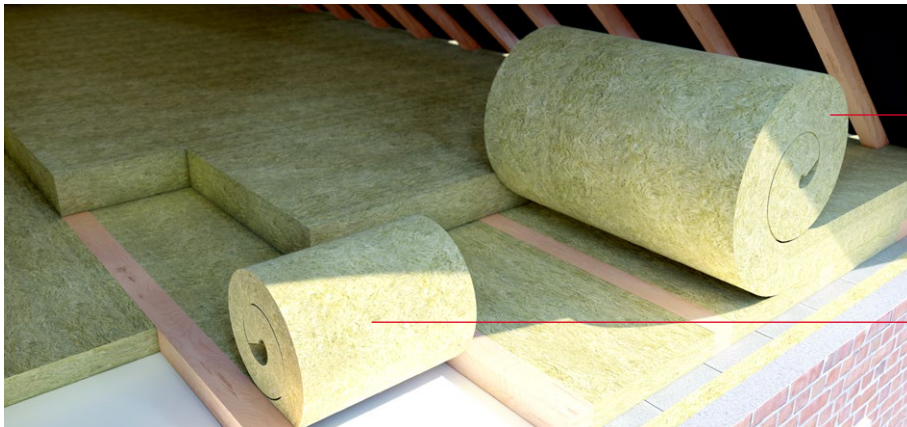
The incorporation of ROCKWOOL Roll, TwinRoll and Rollbatt within suitably designed constructions provides improved levels of sound reduction.

Dimensions

Loft insulation - U-values

To comply with Building Regulations Part L: 2013 new pitched roofs with loft spaces need to achieve U-values of between 0.16 and 0.11 W/m²K. The table below shows different approaches to achieve a range of u-values in a loft application.

U-value (W/m ² K)	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



ROCKWOOL Roll/TwinRoll/Rollbatt over the joists, cross laid over the joists

ROCKWOOL Roll/TwinRoll/Rollbatt laid between the joists

Product information

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

Product	Format	Thickness (mm)	Width (mm)	Length (mm)	Area (m ² /pack)	Lambda (W/mK)	R-value (Wm ² /K)
TwinRoll	Pre-split (2 x 100mm thickness), not pre-cut	200 (2 x 100)	1200	2750	6.60	0.044	2.72
Roll	Single thickness, not pre-cut	150	1200	3650	4.38	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	2.72
Rollbatt	Single thickness, pre-cut	100	1200 (3 x 400)	4800	5.76	0.044	2.72
Rollbatt	Single thickness, pre-cut	150	1200 (2 x 600)	3650	4.38	0.044	3.41
Rollbatt	Single thickness, pre-cut	150	1200 (3 x 400)	3650	4.38	0.044	3.41

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 IEE Wiring Regulations, 17th edition 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

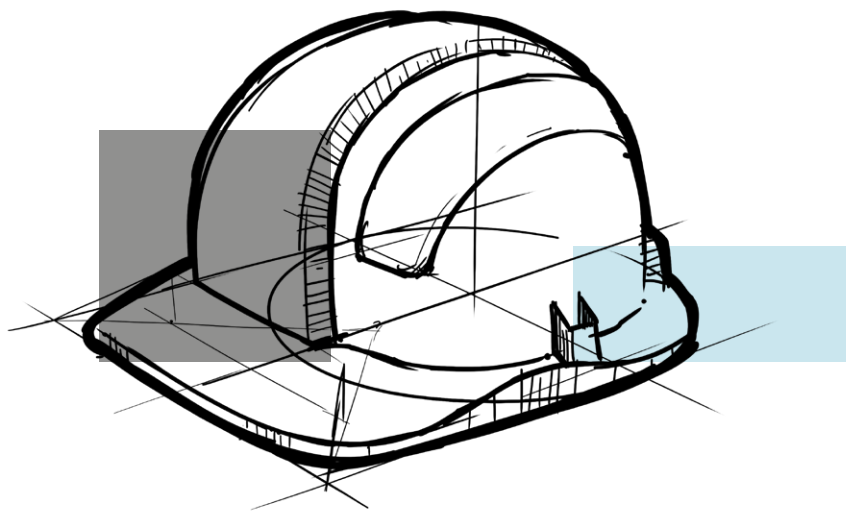
To meet this thermal performance and minimise heat loss through the timbers, ROCKWOOL Roll, Twin Roll or Rollbatt should be cross-layered between and over the ceiling joists.

The first layer (generally of 100 mm 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. 170 and 220mm thick) or Twin Roll (200mm thick) is then cross-layered to cover the first layer of insulation and the ceiling joists.

Specification clauses

The following NBS clauses include Rockwool Roll products:
K10:115, K10:155, K10:165, K10:185, K11:215, K11:225, K11:235, P10:120, P10:125, P10:130, P10:135, P10:210, P10:240, P10:250



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.co.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.



Interested?

For further information, contact the Technical Solutions Team on 01656 868490 or email technical.solutions@rockwool.co.uk

Visit www.rockwool.co.uk to view our complete range of products and services.

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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 largest assets in the ROCKWOOL Group, and thus well protected and defended by us 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:
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