



# Rockwool RockPrime

## A fast and effective granular insulation

RockPrime is an energy- and cost-efficient blown loft granulate that is mechanically installed, offering a speedy alternative to typical loft roll insulation and causes minimum disturbance to occupants.

Made from sustainable volcanic rock, it provides an effective barrier to outside noise, is impervious to wind displacement and is so durable that it will help generations of people to stay warm and sleep well at night.



*The following NBS clauses include RockPrime: P10:10,150  
P10: 10,150*

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## Advantages

- Ideal for new and existing lofts
- Quicker to install than rolls
- No wastage
- Minimises thermal bridging
- Non-combustible (Euroclass A1)
- Installation by approved Rockwool installers
- No settlement
- Does not rot or decay
- Improves the acoustic performance of the ceiling
- Not displaced by air movement in the loft
- Does not offer sustenance to vermin

## Product properties and design

### Density

RockPrime Blown Loft Insulation has a nominal blown density of 21kg/m<sup>3</sup>.

Thickness is adaptable according to U-value requirements. A gauge is fixed to the joists to assist with measuring depth.

### Packaging

This product is packaged in 20kg bags and delivered on pallets for ease of handling and storage.

### Installation guidance

RockPrime should only be installed by Rockwool approved installers. Please always contact us to confirm that your supplier is qualified. Approved installers welcome this verification.

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1. Loft hatches: To prevent disturbance of the blown insulation when entering or leaving the loft, a Rockwool 'hatch box' should be fitted around the joist/trimmers as shown.

2. Ventilation: It is recommended that a proprietary eaves ventilation protector is used. Please contact a manufacturer or RockPrime installer for further details.

3. Chimney breasts: Should the loft contain a chimney breast, RockPrime can be installed up to, and around, it due to the non-combustible properties of the insulation.

4. BS 7671: 2008 provides guidance on the correction factors to be applied in down-rating covered electrical cables according to their rating, length and duty. Where possible, all cables should be lifted free of the insulation.

### Durability

- Rockprime is a durable material which remains an effective insulant for the lifetime of the building
- It is a completely inert, rot-proof material and does not encourage the growth of fungi, moulds and bacteria or offer sustenance to vermin
- Unlike other types of blown loft insulation, RockPrime does not suffer from wind displacement via air movement within the loft space (BRE Report 252-159)

More detailed information is available from Rockwool Technical Support (0871 222 1780).

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## Compatibility

The insulation will not damage any metal components in the loft, nor plasticiser from PVC cables and pipes (See item 4. Installation guidance).

## Standards and quality approvals

British Standards: BS EN 13162, 'Thermal insulation products for buildings - Factory made mineral wool products' specification. Rockprime achieves a Kitemark: certificate number KM 33106. RockPrime: BBA certificate reference 10/4796

## Regulations

Prescribed requirements for U-values  $W/m^2K$  in a horizontal loft space:

England and Wales (Part L 2010)

- Extensions, renovations and repair work: 0.16
- New build: generally between 0.16 and 0.13
- Republic of Ireland (Technical Guidance Document L): 0.16 – 0.12
- Scotland Section 6(2010): 0.16 - 0.13

## Product performance

### U-values

RockPrime has a Thermal Conductivity of  $0.045W/mK$  with a blown density of  $21kg/m^3$ .

U-values based on 100mm of RockPrime insulation between joists with additional thickness's over joist (see U-value table).

U-values $W/mK >$	Total insulation thickness (mm)	Minimum mass per $m^2(kg)$	Minimum Number of bags of insulation per $100m^2$
0.09	465	9.95	50
0.10	420	9.00	45
0.11	385	8.25	41
0.12	355	7.60	38
0.13	325	7.10	36
0.14	305	6.55	33
0.15	285	6.25	31
0.16	265	5.70	29
0.18	235	5.15	26
0.25	170	3.65	18
0.28	150	3.25	16
0.30	140	3.00	15
0.35	120	2.60	13

To obtain the thermal resistance shown, this material must be installed with both the minimum mass ( $kg/m^2$ ) and the minimum thickness, as shown in table above. As stated within the BSI report, Rockwool RockPrime has 0% settlement after installation.

## Fire performance

RockPrime Blown Loft insulation achieves an A1 classification in accordance with BS EN 13501-1 and is therefore non-combustible as defined in UK and Ireland building regulations.

## 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.

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All Rockwool products provide outstanding thermal protection as well as four added benefits:

- Fire resistance
- Acoustic comfort
- Sustainable materials
- Durability

## Health and safety

The safety of Rockwool mineral 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 can be downloaded from [www.rockwool.co.uk](http://www.rockwool.co.uk) or requested from Rockwool Technical Support (0871 222 1780) to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

## Environment

Relying on entrapped air for its thermal properties, we are proud to say that Rockwool insulation does not contain (and has never contained) gases that have ozone depleting potential (ODP) or global warming potential (GWP). Rockwool therefore complies with the relatively modest threshold of GWP<5 included in documents such as the Code for Sustainable Homes.

Rockwool is increasingly involved in recycling 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 Rockwool materials to our factory for recycling.

## More information

For further details visit our website at [www.rockwool.co.uk](http://www.rockwool.co.uk) or phone Rockwool Technical Support on 0871 222 1780.

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