



For a quotation please contact us on

021 4966264

or

0872544707

or via email at

[xsulation@gmail.com](mailto:xsulation@gmail.com)

[www.xsulation.ie](http://www.xsulation.ie)

We are registered applicators of RockWool **EnergySaver** Cavity Fill insulation

Rockwool EnergySaver cavity wall insulation is an entirely dry system which uses granulated Rockwool blown into an external wall cavity to a predetermined density. No glues or catalysts are involved in the installation procedure.

The system may be used to improve the thermal insulation of both new and existing masonry cavity walls as well as certain types of non-traditional structures.

Rockwool EnergySaver blown wool does not create a bridge or capillary path within the cavity that might allow rainwater to penetrate to the inner leaf.

#### Advantages

- Ensures a complete fill without settlement
- Water repellent – will not allow water to migrate across cavity
- Vapour permeable – allows construction to breathe, reducing condensation risk.
- British Board of Agreement certification for use up to 25m height.
- Cost effective solution for new build and refurbishment



## An entirely dry system, certified for use in all exposure zones

### Method of Use

Rockwool EnergySaver Cavity Wall Insulation is normally installed in existing properties by drilling and filling via the outer leaf of the cavity wall. In new buildings, installation may be carried out either from outside, or through the inner leaf of the cavity wall, prior to plastering.

### Guarantee

In existing domestic properties, EnergySaver, installed by Rockwool Approved Installers, of which Xsulation is one, in accordance with the specifications and conditions laid down by Rockwool Limited, carries a guarantee issued by CIGA, the Cavity Insulation Guarantee Agency.

### Performance and Properties

#### Water resistance

EnergySaver repels water due to the presence of water repellent additives.

Should water penetrate the outer leaf of the cavity wall, it will drain down between the wall surface and the injected filling. The Rockwool EnergySaver system is designed so that water will not cross the cavity by capillary action. In situations where RockWool material is present both above and below the ground floor damp-proof course, it will not transmit ground water by capillary action.

#### Condensation control

When calculating vapour diffusion through a structure, the vapour resistance of Rockwool is negligible and is usually considered to be the same as for air.

Moisture condensing from the air within Rockwool material is less than 0.02% by volume at 95% relative humidity.

EnergySaver therefore reduces the risk of condensation and allows natural drying out of the wall construction due to its ability to breathe.

Where condensation and black-spot mould have occurred on inner walls of occupied buildings, EnergySaver will assist in the reduction of this problem, provided that heating and ventilation are adequate and the situation is not as a result of a cold bridge.

### Biological

EnergySaver is completely rot proof and does not encourage the growth of fungi, moulds or bacteria.

### Compatibility

EnergySaver will not react with wire, plastic or metal wall ties, brickwork or masonry, nor will it cause loss of plasticiser from PVC cables and pipes.

### Durability

EnergySaver has been proved in service for over 40 years in all types of climate and degrees of exposure. It will give effective protection for the lifetime of the building.

### Environment

No CFC's, HFC's or HCFC's are used in the manufacture of Rockwool materials.

### Melting point

The melting point of Rockwool is above 1000c. It is therefore ideal in circumstances where protection against spread of fire is required in addition to insulation.



## Installation

Filling to the correct density within the cavity is achieved with blowing machinery which is tested and approved both by Rockwool Ltd. And the British board of Agreement. The Approved installer provides all necessary hoses, drilling equipment and materials for re-mortaring after installation of the blown wool.

The positions of drilled holes are based on patterns designed by Rockwool Limited as defined in the Agreement Certificate applicable to the system. These patterns ensure that the cavity to be insulated is completely filled.



## Site Surveys

An inspection survey is carried out by the Rockwool Approved installer to determine the suitability of the building for EnergySaver, using the following criteria:

1. Walls must be in good state of repair and free from evidence of frost damage
2. Mortar joints must not show evidence of more than hairline cracking
3. Where practicable, all open cavity heads should be sealed prior to filling. It is essential that airbricks and vents are checked in advance to prevent them being blocked during installation. Where necessary, trunking should be installed to preserve the ventilation function.
4. Partial filling of cavity walls is only permitted when treating semi-detached or terraced properties. A vertical cavity barrier must be installed in such cases.
5. In new buildings, walls should be designed and built to the relevant section(s) of BS5628:Part 3:2001 or BS5390:1976(1984)
6. In existing buildings where open-flued or chimney arrangements exist, installation of heating appliances should be checked before and after EnergySaver installation to ensure that they comply with BS5440:Part 2:2000, 'Ventilation of new or replacement gas appliances'.
7. In the case of balanced flue appliances, because the product is non-combustible there are no restrictions on the use of EnergySaver.