



affordable energy

Call 0800 096 6356

External solid wall insulation at a glance

- Could cut your heating costs by up to 40% and save you around £400 every year
- Installation is more cost effective when you need to re-render anyway
- Hundreds of pounds of grant funding may be available
- Installation is usually complete in under 2 weeks

£ and CO₂

The actual pounds and pence savings and carbon dioxide savings you will get will depend on many things about your home and lifestyle:

- How much you pay for your insulation
- How hot you have your house in Winter
- How long you have your heating on for
- How much you pay for your fuel
- Which fuel you use

Is solid wall insulation suitable for my home?

External solid wall insulation is usually applied as part of an overall refurbishment scheme.

- Where your external walls need re-rendering
- Where external walls are poorly insulated
- Where external walls are deteriorating or are insufficiently weather tight, causing damp, draughts and heat loss
- Where wall cavities are bridged or blocked, making them unsuitable for cavity fill insulation

Solid walls are usually brick or stone and are found in most houses built before the 1920s. The easiest way to tell is from the pattern of the bricks on the outside of your house.

Solid Wall



If your home has solid walls, the bricks will tend to be placed head-on and lengthways in an alternating pattern like this.

Cavity Wall



If your home has cavity walls, the bricks will tend to have a regular pattern like this.



affordable energy

Call 0800 096 6356

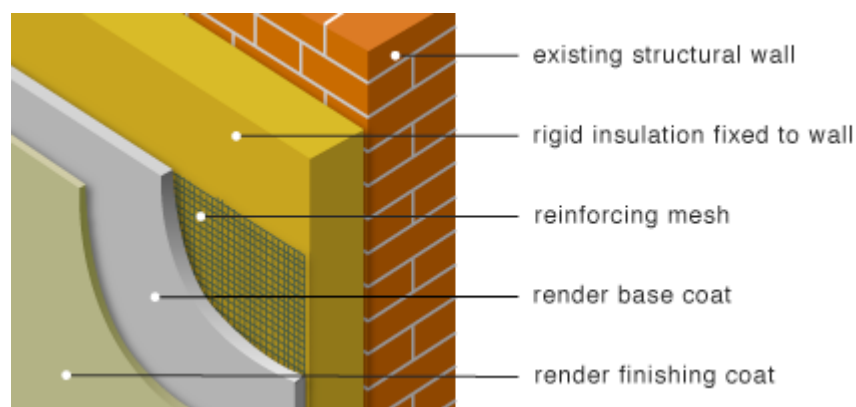
External wall insulation is a good alternative to installing internal lining insulation which is disruptive to the inside of your home and would alter critical internal dimensions or make room sizes too small.

Systems

The design and installation of insulated render is imperative to ensure the correct system is utilised.

Though not always, insulated render systems usually come in the form of proprietary products. In these instances, standard details and construction methodology are determined by the system manufacturer. The products are accredited by a third party such as the BBA or BRE for use in specific situations. They are normally guaranteed when installed by the manufacturer's approved contractors.

Though construction technique remains the same, systems differ through their use of components such as types of insulation or render finishes.



A typical insulated render system includes:

- The attachment of standard-size insulation boards to the existing wall using mechanical fixings (sometimes accompanied by adhesive) through to the wall
- Mesh reinforcement to form a key backing to the
- Render base coat
- Finish coat

Finish topcoats

Many different types of finish coats are available: