

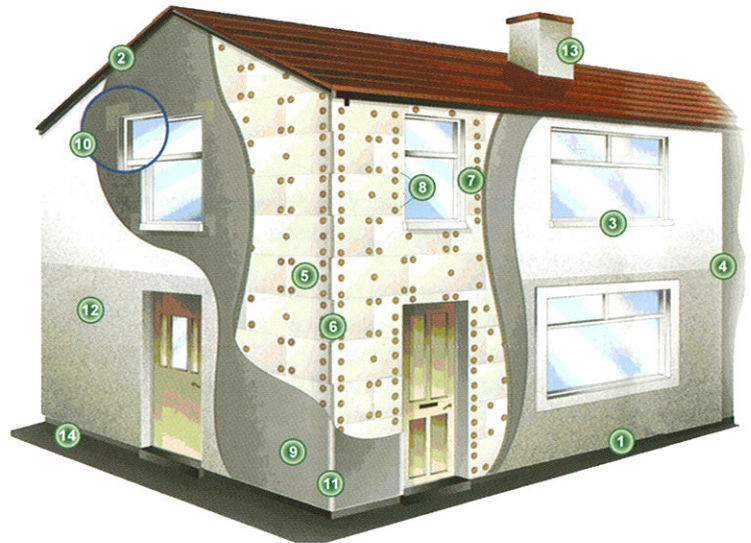


SOLID WALL: EXTERNAL WALL INSULATION

WHY USE EXTERNAL WALL INSULATION?

If your home was built before the 1920's it will not be suitable for the installation of cavity wall insulation. Over 35% of the heat generated in a property is lost through the walls so by insulating on the outside this will reduce the amount of heat lost, save money on your fuel bills and improve the appearance of a property.

Over the last ten years the introduction of the Decent Homes Standards and Part 'L' of the Building Regulations have significantly increased insulation standards and the demand for more innovative solutions for renovating properties, increasing thermal performance and reducing carbon emissions has resulted in the increasing popularity of an external wall system.



HOW IS IT INSTALLED?

The installation process involves the mechanical and/or adhesive fixing of insulation boards to the outside of a building, which is then covered with mesh reinforcement, a base coat and a final decorative finish. The decorative finish can be designed to suit e.g. coloured, pebbledash, stucco, brick facades. This layered method encases the property and helps prevent heat from escaping unnecessarily from the property.

External wall insulation is ideal if you are considering a refurbishment project or if the external wall of your property is in need of repair.

HOW THICK WILL THE INSULATION BE?

This depends on the specification required, the existing construction of your building and the required U-value you need e.g. An existing solid wall property 225mm thick walls would need a 60mm Phenolic insulation board plus the render to provide a U- value of 0.291 W/m²K.

DO I NEED PLANNING PERMISSION OR APPLY FOR BUILDING REGULATIONS?

It is advisable to check with your local authority. They are sympathetic to reducing carbon emissions and would always look favourably on any application. This can all be done by Solarwall.

CALL OUR CUSTOMER HELPLINE ON FREEPHONE 0500 127005

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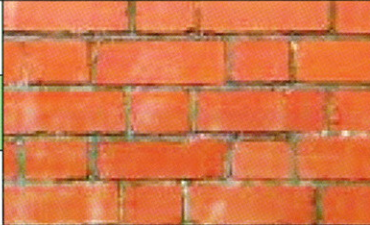
“A SIMPLE SURVEY WILL DETERMINE THE TYPE OF INSULATION REQUIRED...”

WHAT ARE THE BENEFITS?

- Reduce fuel bills by up to £400 per year dependent upon the construction and the insulation system used
- Helps with condensation
- Protects and prolongs the external fabric of the building
- Offers high impact and weather resistance
- Low maintenance-30 year life expectancy
- Does not reduce the internal footprint of the property

HOW MUCH IS IT GOING TO COST?

This depends on the type of external wall insulation you are going to use, the preparation required to the existing walls (e.g. removal of existing damaged render) and the finish required – a simple survey will determine all this. A specification and estimate of cost can be done by Solarwall.

225mm Solid Brickwork			
Uninsulated U-Value: 2.033 W/m ² K			
Insulation Type 1	U Value 1	Insulation Type 2	U Value 2
70mm Polyisocyanurate (PIR)	0.325 W/m ² K	60mm Phenolic	0.291 W/m ² K
Airey			
Uninsulated U-Value: 0.948 W/m ² K			
Insulation Type 1	U Value 1	Insulation Type 2	U Value 2
60mm Expanded Polystyrene	0.321 W/m ² K	40mm Phenolic	0.314 W/m ² K



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