



Cavity Wall Insulation



Cavity walls are made of two layers of brick or blockwork with a gap inbetween. Blowing insulation into this gap can reduce heat loss through the walls, lowering your energy bills and carbon footprint.

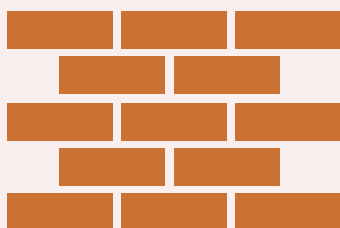
How to tell if your house is suitable for cavity wall insulation:

1. When was your house built?

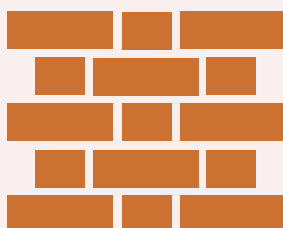
As a general rule, houses built after 1930 were constructed with cavity walls. If the house was built after 1990, the cavity walls are probably already insulated.

2. What is the pattern of the brickwork?

Look at your brickwork - if all the bricks are laid longways, it is likely to be a cavity wall. If the bricks have an alternating short and long pattern, it is likely to be a solid wall.



Cavity Wall



Solid Wall

3. How thick are your walls?

If your brick walls are more than 260mm thick they are most likely to be cavity walls.

4. Are your walls suitable?

It may be more complicated to insulate walls if the cavities are very narrow or uneven, contain rubble, or are exposed to driving rain or flood. You will need a technical survey to assess the suitability of your walls before

*Typical Costs and Savings...



650kgCO₂e

Annual Carbon Savings



£265

Annual Bill Savings



£2,700

Typical cost

Keep it natural

Although insulation can reduce the energy needed to heat your home, the materials used can have a significant environmental impact.

Cavity walls are usually insulated with blown mineral wool. Consider insulation products made from recycled glass, or cellulose from recycled paper or plant waste for a low-carbon option.



* Figures are taken from Energy Saving Trust and are based on fuel prices as of October 2023. Estimates are based on an insulated, three bed, semi-detached, gas-heated home. The average professional installation cost is unsubsidised, prices will vary.



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The Benefits of Cavity Wall Insulation

- Your home will use less energy, lowering your carbon footprint
- Significant financial savings on heating bills
- Improved thermal efficiency and therefore a more comfortable home
- Does not alter the dimensions or appearance of your home
- Installation can be completed in 2-3 hours
- Insulation may increase the value of your property

How is Cavity Wall Insulation Installed?

Cavity walls are insulated by drilling small holes (around 25mm diameter) into the wall from the outside, and blowing an insulation material through the holes to fill the cavity. The holes are then sealed up.

Adapting to your newly insulated home

Cavity wall insulation helps to slow down the rate at which heat escapes through your walls. It also creates an even temperature improving some rooms that were previously cooler i.e. a bedroom with two external walls.

To make sure you achieve the savings on your heating bill, remember to turn your thermostat down by a few degrees and adjust your programmer so your heating is on for less time, you will be just as warm.

Financial Help

The biggest energy companies are required to help householders to access energy efficiency measures through the Energy Company Obligation (ECO) scheme.

Depending on your circumstances, it may be possible to access free or discounted cavity wall insulation through ECO and other funding.

To find out if you are eligible, contact the Nottinghamshire Healthy Housing team.

Next steps...

If you are interested in Cavity Wall Insulation, NEP are here to help. For advice on grants or to arrange a technical survey, please complete our online form at:

www.nottenergy.com/self-referral-form

or call us on **0115 947 2207**