

Insulating the walls of your home is a very important step to help combat rising energy bills and reduce your carbon footprint. This is because around a third of all of the energy lost from an un-insulated property is lost through the walls\*.

Cavity wall insulation fills the air space between the interior and exterior walls of your home to help reduce the amount of energy passing through the wall. It helps to regulate the heat in your property, meaning your home will be warmer in the winter and cooler in the summer.


\*Source: Energy Saving Trust website, March 2014

## THERMABEAD CARBON SAVER

The thermal performance of many homes in the UK are well below the standards required by current building regulations. ThermaBead Carbon Saver offers an innovative new way to improve the energy efficiency of many of these properties.

Up to 20% more efficient than standard fibre insulation, ThermaBead Carbon Saver is a grey bonded-bead system that is pressure blown in to the cavity in your walls by a specially designed injection gun. The material acts like a tea cosy surrounding your home, trapping the heat and keeping your house cosy and warm. The beads have been thoroughly tested and will not deteriorate over time; they will also not be unduly affected by any resultant improvement works on your home such as fitting new double glazing. Fully fire resistant and with full BBA approval for use in even the most extreme of conditions, ThermaBead Carbon Saver fully satisfies the latest exacting standards for energy efficiency in the building industry.

Unfortunately, this insulation system is not suitable for properties which are timber framed, steel framed, random stone or have solid walls.



*Our 40,765 cavity wall insulation customers from 2012 can collectively expect to save around £5,503,275 on their 2013 energy bills.*

## KEY FEATURES & BENEFITS

- Reduces heat loss rates by around 70%
- Standard fibre insulation is 24% less efficient than ThermaBead Carbon Saver
- Cost effective – Average unsubsidised payback is under 4 years
- BBA approved
- Lasts as long as the building

Potential annual saving	Up to £250
Approximate annual CO2 saving	Around 1040kg

Source: Energy Saving Trust website, March 2014. Estimated figures based on insulating a detached, gas-heated home.

## U VALUES

Heat loss is measured as a U value, which is an indication of the heat flow through a material or materials. The lower the figure, the lower the heat loss and the less money you will need to spend on fuel bills to keep your home warm. As you can see from the table, installing ThermaBead Carbon Saver can improve the U value of a property by around 70%, but this is dependent on its build type and cavity width.

EXISTING BUILDINGS WITH 68MM CAVITY WIDTH					
Typical U values for standard cavity types before and after installation of ThermaBead Carbon Saver	Render Block Cavity Block Plaster	Brick Cavity Block Plaster	Render Brick Cavity Block Plaster	Brick Cavity Brick Plaster	Brick Cavity Block Dab & plaster
Before	1.79	1.67	1.65	1.46	0.84
After	0.40	0.40	0.40	0.38	0.34
% improvement	77%	76%	75%	74%	60%

## THE PROCESS

ThermaBead's installation process is designed to be as hassle free as possible. It takes just a couple of hours for the average property to have ThermaBead Carbon Saver installed.

- 1 Our surveyor will advise you of the cost for installing cavity wall insulation and any non-repayable grants which you may be entitled to.
- 2 One of our friendly call centre staff will contact you to arrange a convenient time for one of our crews to come and carry out the work.
- 3 All loose items are removed and temporarily stored away from the wall surface. Any adjacent plant growth is either restrained or cut back to clear the working area, if necessary.
- 4 Installation commences once the site is prepared and safe.
- 5 Each elevation of the property has small holes carefully drilled out in compliance with the BBA specification.
- 6 ThermaBead Carbon Saver is blown by a long hose from one of our specially equipped vans through the holes into each of the property's elevations.
- 7 Once all walls have been treated, the holes are filled and the site is cleaned. All previously removed items are replaced.
- 8 Final inspection of the site is completed with you before the job is signed off.
- 9 You receive your 25 year CIGA guarantee in the post, which covers any unlikely defects in materials and workmanship.
- 10 You enjoy reduced heating bills in a warm and cosy environment.

### THERMABEAD HEAD OFFICE

UNITS 1-2 , SHIPSTON CLOSE,  
WORCESTER WR4 9XN

## SITE MANAGEMENT

All work carried out is managed in the interests of both the client and ThermaBead's employees.

## POST INSTALLATION

Up to 25% of ThermaBead's work is monitored; either by the department carrying out the work for training and feedback, or the Customer Care team.

## COMPANY POLICY

All staff will provide a courteous, helpful and friendly service to the highest professional standards. At all times staff will seek to demonstrate a flexible and responsive attitude to the customers. Through our continuous commitment to this objective, we will always endeavour to deliver 100% customer service satisfaction.

## PROJECTS

ThermaBead have carried out over 80,000 successful installations of its services over the past year alone, and has been carrying out work for 27 years. ThermaBead works with over 100 local authorities and energy agencies on many bespoke projects aimed at insulating homes throughout England and Wales.

## HEALTH AND SAFETY

ThermaBead is fully aware of the requirements of the Health and Safety at work etc. Act 1974. It is the goal of the company not only to meet these requirements but, where possible, achieve higher agreed standards through sound policies and procedures that have been agreed throughout the work force.

## THE THERMABEAD PRODUCT RANGE

ThermaBead Diamond  
ThermaBead Carbon Saver  
Thermascopic Bead Lance  
Therm Extract

