

Good insulation is key to achieving heating comfort for your home. It reduces both heat loss and heat gain, meaning your home will be warmer in winter and cooler in summer. It can also decrease the demand on heating systems as you will require less energy to reach the same temperature when you have insulated your home, therefore cutting back on heating costs.

## THERMABEAD DIAMOND

For homes with cavity walls (two layers of bricks with a hollow space between) our ThermaBead Diamond product offers a revolutionary new way to improve your home's energy efficiency. It is significantly more energy efficient than traditional materials such as mineral wool, polystyrene bead and fibre.

The grey bonded-bead system satisfies the latest, exacting standards for energy efficiency in the building industry. The special material settles into the cavity leaving very little space between beads, which, coupled with a unique manufacturing method, means an optimum level of heat is being bounced back into the property.

ThermaBead Diamond is made from a material which will not shrink, crack, settle or be unduly affected if you need to remove any of the outer brickwork or replace any windows. It is also fully fire retardant and approved for use in even the most extreme of conditions.



*The U value is the measurement of the rate at which heat can flow through a material.*



*Improve the thermal performance of your home's walls by as much as 77% with ThermaBead Diamond.*

## U VALUES

Insulating a property's cavity walls with ThermaBead Diamond means the U value of the walls is dramatically improved, by as much as 77 per cent in fact.

The lower the U value of a property's walls, the more slowly heat is lost and the less money you will need to spend on fuel bills to keep your home warm.

## EXISTING BUILDINGS WITH 68MM CAVITY WIDTH

Typical U values for standard cavity types before and after installation of ThermaBead Diamond	Render Block Cavity Block Plaster	Brick Cavity Block Plaster	Render Brick Cavity Block Plaster	Brick Cavity Brick Plaster	Brick Cavity Block Dab & Plaster
<b>Before</b>	1.79	1.67	1.65	1.46	0.84
<b>After</b>	0.40	0.38	0.38	0.38	0.33
<b>Thermal performance Improvement</b>	77%	77%	76%	76%	60%

Potential annual saving	£250
Approximate annual CO2 saving	1040kg

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

## THE INSTALLATION PROCESS

Thermabead's installation process is designed to be as hassle-free for you as possible and takes just a couple of hours for the average property to have ThermaBead Diamond fitted.

- 1 Our surveyor will advise you of the cost for installing cavity wall insulation and any non-repayable grant that you may be entitled to.
- 2 Our call centre will contact you to arrange a convenient time for one of our crews to come and carry out the work.
- 3 All loose items around the exterior of the property are removed, and temporarily stored away from the wall surface. If required, any plant growth is either restrained or cut back to clear the working area.
- 4 Installation of the insulation commences once site is prepared and safe.
- 5 Each elevation of the property has small holes carefully drilled out in compliance with the BBA specification.
- 6 Insulation from our specially-equipped vans is blown by a long hose 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 and previously removed items are replaced.
- 8 Final inspection of site is completed with you before the job is signed off.
- 9 You receive your 25 year CIGA (Cavity Insulation Guarantee Agency) 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.

## KEY FEATURES & BENEFITS

- A lambda value of just 0.032
- Standard fibre products are 28% less efficient than ThermaBead Diamond
- Reduces heat loss from walls by around 73 per cent
- Installed in a couple of hours with minimal disruption
- 30 per cent less drill holes when compared to fibre solutions



### THERMABEAD HEAD OFFICE

THE PRIEBE BUILDING  
RED BARN DRIVE  
HEREFORD HR4 9DX

### THERMABEAD MANUFACTURING PLANT

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

### THERMABEAD MANUFACTURING PLANT

UNIT A1 ROUNDTORN INDUSTRIAL ESTATE  
CALDEY ROAD, WYTHENSHAW  
MANCHESTER M23 9GE

## THE THERMABEAD PRODUCT RANGE

ThermaBead Diamond  
ThermaBead Carbon Saver  
Thermascopic Bead Lance  
Therm Extract



Reg no. 8910  
\* loft and cavity wall insulation