



Cavity Wall Insulation

How should we build
our homes for the
Future?

For further information please contact:

Polypearl

Churchill Park
Colwick Industrial Estate
Nottingham
NG4 2HF

Freephone: **0800 590201**
Telephone: **0115 987 5787**
Email: **info@polypearl.co.uk**

www.polypearl.co.uk

Turn overleaf and learn how 
Polypearl Platinum can help give you more
flexibility with your designs and choice of materials



Installed into traditional brick and block walls **Polypearl Platinum** will give a home which is both solid in construction and HIGHLY INSULATED.

When faced with the dilemma of how to produce sustainable energy efficient homes **Polypearl Platinum** offers builders an easy answer to the choice between continuing with traditional construction or moving into system build housing.

Solve the “Part L” Puzzle with Polypearl Platinum



Polypearl is a brand name synonymous with quality and reliability. The Company has for many years been a market leader in product performance and their **Polypearl Plus** has been a firm favourite with builders and architects wishing to be seen as one step ahead in their game.

Changes to Part L of the building regulation which came into effect on 6th April 2006 and the need to build more energy efficient sustainable homes for the future has encouraged **Polypearl** to make further improvements and they have now develop an even better performing product – **Polypearl Platinum**. By incorporating graphite into the tiny polystyrene beads the insulation

qualities have been significantly increased and when installed into brick and block wall with 100 mm wide cavity a U-Value of 0.23 W/M² or even better can be achieved.

Please see the chart below for examples of how this works:

Table of U-Values (w/m ²) with Polypearl Platinum												
	Lightweight Blocks				Standard Blocks				Hi-strength Blocks			
Cavity Width (mm)	75	85	90	100	75	85	90	100	75	85	90	100
Dense Plaster Finish	0.29	0.28	0.27	0.26	0.33	0.32	0.31	0.28	0.37	0.34	0.32	0.30
Lightweight Plaster	0.28	0.27	0.26	0.24	0.32	0.31	0.30	0.27	0.36	0.33	0.31	0.29
Plaster Board On Dabs	0.27	0.26	0.25	0.23	0.31	0.30	0.29	0.26	0.35	0.32	0.30	0.28

The table shows typical U-Values for walls constructed with 102.5mm brick outer-leaf, a cavity of varying widths and fully filled with Polypearl Plus, an inner-leaf using 100mm blockwork in each of three different densities, and the three most popular types of internal finish.

Polypearl Platinum offers builders more flexibility

Whether you want to maintain the existing size of footprint, avoid the extra cost of expensive underfloor insulation and complicated heating requirements, or have a greater choice of building blocks, installing **Polypearl Platinum** with a lambda value of only 0.033 W/M² provides you with the opportunity to do not just one but all of these.

The walls of a house are the single largest surface area of the building and making this element low in heat loss will give you more flexibility in the rest of the specification and greater choice of materials for other elements of the construction. With **Polypearl Platinum** you also get the opportunity to market your houses as being insulated to the highest standard available.

Polypearl Platinum is an injected full fill cavity wall insulation system that has been fully tested with the benefit of a BBA Certificate giving approval for use in all exposure zones. It is installed Nationwide through a network of approved installers who are regularly subject to surveillance and quality control checks. All work and materials are fully guaranteed for 25 years from date of installation.

Call FREE on:

0800 590201

& let Polypearl do it all for you

Try it on-line

If you would like to match the performance of **POLYPEARL PLATINUM** to your own particular construction detail then feel free to use the U-Value calculator provided on-line:

www.polypearl.co.uk