

CASE STUDY



Wetherby
Building Systems Limited

REEMA HOUSES, CAERPHILLY C.B.C.

This project, on behalf of Caerphilly County Borough Council, consists of four phases, in total amounting to approximately 100 Reema PRC properties.

These particular houses were situated on a very good housing estate, however many of the houses were considered cold & damp and urgently required refurbishing in an aim to increase thermal performance.

In close collaboration with the system installers, Joyner PA (Cymru) Ltd, the WBS External Wall Insulation System was used on the outside fabric of the building, incorporating 60mm Phenolic insulation, 'Miramar' brick slips on the bottom half of the properties and a dry dash finish on the top half.

To further enhance the aesthetical transformation, WBS 'Woodstock' GRP canopies were also installed over front doorways.

The External Wall Insulation System used not only improved the insulation u-values from 2.34 W/m²K to 0.31 W/m²K, but more importantly will help to reduce heating bills and carbon emissions in the future.

In addition, because all WBS systems are designed to be strong and weatherproof, water ingress and dampness were also eradicated.

WBS EWI Systems...

- A cost effective alternative to demolition & rebuild
- Reduce unnecessary heat loss & condensation
- Protect and prolong the external fabric of the property
- Offer high impact and weather resistance
- Low maintenance
- Minimise inhabitant disruption
- Does not reduce internal living space
- 30 year life expectancy
- Environmentally friendly
- BBA certified

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