

CASE STUDY



Wetherby
Building Systems Limited

WATES PROPERTIES NURSERY CRESCENT, RHYMNEY, GWENT

A 3 phase external residential refurbishment scheme, on behalf of Caerphilly County Borough Council. This phase consisted of 65 Wates PRC houses in Rhymney, Gwent.

These particular houses were situated on a run down, problematic housing estate. Many of the houses were considered cold, damp and practically uninhabitable, leading to them being boarded up. This left the area almost derelict prior to the refurbishment works commencing.

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 50mm PIR insulation, 'Red Multi Dragwire' 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 1.43 W/m²K (on properties without cavity insulation) to just 0.21 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.

The outcome of this particular scheme was so successful, that a waiting list is now in place for future tenants.

Consulting Engineers: Michael Dyson Associates

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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