

Broad Lane & Winskill Road
Liverpool, Merseyside

Sector: Social Housing
Low Rise
Refurbishment

Properties after refurbishment



Properties before refurbishment



Brick effect render detailing on some elevations



Client:
Liverpool Mutual Homes

Building Type:
Boots

Project Size:
71 Houses / 4,340m²

Product:
Structural External Wall Insulation
& Render Finish

Project Background:

Liverpool Mutual Homes (LMH) was formed in 2008 to manage 15,000 homes in Liverpool and has invested heavily over the past 4 years to bring many of its properties up to the Decent Homes Standard. Nearly £300 million will be spent on improving homes and services over the next 5 years and over the next 30 years, almost £900 million will be invested.

As part of the programme LMH recently completed the upgrade of 71 non-traditional Boots properties on Broad Lane and Winskill Road. The properties were severely defective, poorly insulated and in an extremely bad state of disrepair.

Client Requirements:

LMH wanted a cost effective solution for externally refurbishing the houses and one that would:

- Provide structural support and extend the life of these defective properties
- Create a watertight and thermally efficient building envelope
- Improve the external appearance of the houses of which 66 were voids

Design Solution:

Structherm's unique Structural External Wall Insulation system incorporating 80mm thick Enhanced EPS insulation was specified for the external refurbishment of the properties. To complete the system a high performing contemporary acrylic render in white was applied to most elevations. Macerend Brick Effect render was applied for creative detailing to some elevations and around some front door entrances, a pale blue acrylic render was used around some living room windows.

Results:

- The Structural External Wall Insulation has provided the necessary structural support and provides a minimum design life of 30 years.
- Thermal performance has improved greatly with the U values dropping from 1.55W/m²K to 0.29W/m²K
- The individual designs have significantly improved the aesthetic appearance of the properties and given them a fresh contemporary look. The refurbishment programme also included new windows, doors, roofs, soffits, fascia boards, guttering and solar PV.



Properties after refurbishment showing Macerend brick effect render detailing around end property entrance doors and blue render detailing around living room windows.

