

Case Study

Prescot Road, Liverpool

**Three Storey Solid Brick Wall
Apartment Block**

Project Background:

The Prescot Road refurbishment project showcases a radical and innovative cutting edge methodology to refurbish a 1950's solid wall three storey apartment block. This Insuletics' project was carried out for Liverpool Mutual Homes working in conjunction with Savills and BYA Architects. The external wall insulation system was installed by Astley Facades under subcontract to Lockwoods Construction Ltd.

The aim of the refurbishment was to significantly enhance the existing building thermal envelope and improve the living standards of the residents, reinvigorating pride and respect in their community.

Another feature of the design was the choice of render colours, contrasting grey and white for the main areas of the building with bright vivid colours in stripes within the recessed areas around the windows. In order to achieve the desired colour scheme, Insuletics used a colour scanner to read a coloured printout of the proposed building elevations. An exact render colour match was achieved and the colour samples subsequently provided by Insuletics were approved on first submission.

Before Photographs



After Photographs



For further information on Insuletics Products & Services, contact Technical Support on: 01782 366090 enquiries@insuletics.com www.insuletics.co.uk

After Photographs Continued



Project Challenges:

A significant design challenge was the need to provide rainwater discharge points from concealed gutters behind the parapet walls, through the new cladding system. This was achieved by carefully detailing and extending the flashing and hopper interfaces.

The rear elevation of the building was dramatically transformed by enclosing the deck access walkways using the Insuletics' external wall system and installing windows, thus removing a cold unusable and unsecured space.

The success of the project can be gauged by the fact that Liverpool Mutual Homes had 160 applications made for six of the remaining apartments following the refurbishment.

The System & Results:

The existing wall construction was found to be 315mm solid brickwork with a thermal performance of 1.65 W/m²K.

Following the installation of the Insuletics' external wall system, the U-values that were achieved were 0.3 W/m²K on the areas of 100mm insulation and 0.14 W/m²K in the projecting areas that had the overall thickness of 250mm insulation.

Insuletics are proud to be part of a new beginning



Solid Wall Insulation Guarantee Agency



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