

CASE STUDY



PANALOC MODULAR BUILDING SYSTEM RESIDENTIAL NEW BUILD DEVELOPMENT, MANCHESTER

The Higher Broughton Redevelopment Project is a joint venture scheme that plans to replace existing terraced housing stock with more modern, energy efficient homes in a run down area of Salford, Manchester.

To comply with recent government initiatives, a modern method of construction was chosen by the main contractor and the system designer for this project, with WBS collaborating on the external façade solution.

By utilising Magnum Board technology, developed by Kronoply GmbH, Panaloc were able to construct volumetric units within controlled factory conditions and transport the virtually complete structures to site for installation. The strength and rigidity of the Magnum Board enabled large format panels to be manufactured to precise tolerances, with the aid of CAD and CNC technology.

Much of the internal works such as joinery, plumbing, wiring and sanitary ware were all fitted prior to site delivery as was the majority of the external brick slip façade.

Once delivered to site, the units were carefully craned into position and placed onto bespoke steel frame/concrete foundations that were constructed to exact dimensions, all aided by GPS site technology. This allowed the units to be connected to the electricity, water supply and drainage with exact precision. Roof finishes, guttering and external render were then applied.

This particular row of 15 terraced houses was completed in less than 3 weeks from site delivery and the photographs detail the wide range of external finishes that were used including WBS 1.5mm Silicone Finish (incorporating external insulation) and WBS Brick Slips, which give the row a superbly modern aesthetic finish.



Main Contractor: Taylor Woodrow Construction Ltd
System Designer: Panaloc Limited / WBS Ltd