

Wombwell Estate Refurbishment, Barnsley



Client	Barnsley MBC
Installer	Pegasus Externals
Type	Refurbishment
Completion	2008

Sector	Social Housing
EWI System	Swisspan
Insulation	Phenolic
Render Finish	Polymer Renders

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The BISF houses in the Windmill Road area of Wombwell have been refurbished, with Alumasc's Swisspan Insulated Render System. Swisspan exactly met the specifiers' technical requirements for a specific structural system which transfers the whole of the extra weight of the cladding onto the existing metal frame of the BISF properties via galvanised steel rails spanning between columns.

Extensively used for buildings of this type, where infill or over cladding panels have no load-bearing capacity, Swisspan provides an attractive, traditional polymer cement rendered finish over a highly efficient insulating medium. As a result, the Windmill Road properties combine a vastly improved appearance with high thermal performance and the elimination of internal condensation and rain penetration.

Swisspan can be specified with a variety of insulants, including phenolic foam, polystyrene, polyurethane or eco-friendly cork, along with a wide choice of finishing renders. Ideal for social housing refurbishment programmes, Swisspan dramatically increases the life expectation of buildings and the quality of life for the householder, lowering carbon dioxide emissions and cutting heating costs by up to 25%.

The Swisspan system is installed through Alumasc-approved specialist contractors: in this instance by Pegasus Externals of Bingley, West Yorkshire. The main contractor was Inspace Partnership of Barnsley.