



# SIKA AT WORK

## PENDLETON PFI/PENDLETON SOCIAL HOUSING

ROOFING: Sika Liquid Plastics Decothane Delta 25 Year System



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## PROJECT REQUIREMENTS

As part of a two year housing regeneration scheme in Pendleton, roofing contractor, Weatherwell, called on Sika Liquid Plastics to deliver a liquid membrane roof refurbishment product that could overcome challenging installation conditions.

Salix House; the ninth block of flats upgraded by the company in the programme posed significant working at height challenges and the need to overcome complex detailing, including a rooftop plant, old gas flues that have been taken out and new solar p/v installations.

The ongoing project in Salford involves the upgrade of 1,250 existing homes by main contractor, Keepmoat, as part of the social housing stock transfer from Salix Homes to the Pendleton Private Finance Initiative (PFI) scheme. The regeneration scheme also includes the construction of 1,600 new homes in the area.

The blocks completed to date have all undergone a major refurbishment, including improvements to their energy performance and the building envelope to enhance thermal performance

## SIKA LIQUID PLASTICS SOLUTION

A performance specification for a liquid system with a 25-year guarantee was issued for all nine blocks, which range in size from 12 storeys to 32. As Keepmoat had previously used the Decothane system successfully on similar projects, the Sika Liquid Plastics product was chosen.

Our most current General Sales Conditions shall apply.  
Please consult the Data Sheet prior to any use and processing.



FM 588020



EMS 588023



OHS 588025

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Prior to the commencement of each roofing scheme, a technical engineer from the Sika Liquid Plastics' team surveyed the residential block, measuring the roof and all details and taking moisture readings and core samples to ensure the correct specification was provided for sufficient membrane coverage and excellent adhesion.

The Weatherwell team completed installation of the system for the details first, applying the membrane with brushes or small rollers before cutting Sika's Reemat Premium glass fibre reinforcement mat to size and shape and applying it to the wet base coat. A top coat was then applied and the system was allowed to cure to create a flexible, seamless membrane.

The larger areas of the roofs were completed using the same system, with the Reemat Premium rolled onto the wet Decothane basecoat as it was applied and a top coat applied to complete the system. A thickness test was carried out while the liquid system was still wet to ensure the integrity of the finished membrane.

Sika Liquid Plastics' technical team then returned to site to take dry samples and carry out a final inspection before each of the roofing projects was handed over to the client.

The ease and speed of installation of the Decothane system made it possible to address the challenges and the Sika Liquid Plastics technical support team offered specialist expertise in bespoke specification and throughout the installation.

Steve Cookson at Sika Liquid Plastics, said: "With no seams and complete adhesion to the contours of all details, the Decothane system ensures there is no vulnerability to water ingress and no risk of delamination.

"Improving these homes for Pendleton residents is part of a cohesive plan of regeneration measures for this area of Salford and we are delighted to help deliver the ninth residential block in this phased programme."

## PROJECT PARTICIPANTS

**Product:** Sika Liquid Plastics Decothane Delta 25 Year System

**Roofing Client:** Keepmoat

**Contractor:** Weatherwell Roofing Limited

