



# SIKA AT WORK

## THE FLOWER BOWL, PRESTON, LANCASHIRE

ROOFING: Sika Liquid Plastics' Decothane Root Resistant, Sika Liquid Plastics' Decotherm insulation, S-VAP 500e Vapour Control and Moisture Barrier Layer and Green Roof Detailing Coat





# THE FLOWER BOWL PROJECT BLOSSOMS WITH DECOTHANE ROOT RESISTANT MEMBRANE

## BACKGROUND

The Flower Bowl is a large new build leisure complex in a semi-rural Lancashire location close to Preston. It offers a range of attractions, including an indoor bowling alley, a curling rink, a crazy golf course and golf simulator, a cinema and restaurants.

The project recently won Project of The Year 2018 in the 'Liquid Roofing In Buried Application' category at the Liquid Roofing and Waterproofing Association (LRWA) Awards and has been developed as part of an existing garden centre whose owners were keen for the project to be designed around the principles of sustainability and low environmental impact. As a result, the new building features a curved green roof, reflecting the local landscape of rolling hills, and there are even plans to graze sheep on the roof!

## REQUIREMENT

The project had a clear focus on sustainability and low impact aesthetics and the client was keen to use a product from a trusted supplier that would offer an extended service life and low maintenance.

Excellent thermal performance to address the low energy and low carbon aims of the building was also important and, as the building incorporates a green roof, the client also required a proven root resistant solution.

As the leisure complex has been built on the same site as the garden centre, a cold-applied liquid roofing system was also preferred to avoid any requirement for hot works.

## SIKA LIQUID PLASTICS SOLUTION

The Decothane Root Resistant system from Sika Liquid Plastics was specified to meet the green roof requirements of the project, in combination with Decotherm insulation to answer the need for excellent thermal performance and a complete warm roof system from a single source supplier.

Sika Liquid Plastics Quality Assured Contractor, W Hughes & Son, was contracted to carry out the warm roof installation and began by installing an S-VAP 500e vapour control and moisture barrier layer, followed by the Decotherm insulation, which was mechanically fixed to the profiled metal deck.

This created the contours for the hill-shaped roof, ensuring that the required shape was achieved over the large-scale roof area, with falls in multiple directions to aid drainage via outlets located at various points around the lower edge of the perimeter.

Following installation of the insulation, the whole roof area was coated with the Root Resistant Decothane system. The exposed edges at the perimeter were coated using Sika Liquid Plastics' green roof detailing coat, with a special colour mixed to match the fascia and the grass, creating terminations with a high quality aesthetic and performance. The finished roof was then seeded with grass to create the green roof.

Anthony Hughes from W Hughes & Son comments: "The roof contours created challenging undulations which could only be waterproofed using a liquid system and Decothane enabled us to get the building watertight quickly while providing proven root resistance as part of the complete warm roof build up from Sika Liquid Plastics."

## WATCH THE FULL ROOF CONSTRUCTION

### PROJECT PARTICIPANTS

**Contractor:** W Hughes & Son

**Roofing Client:** The Flower Bowl

**Size:** 6000m<sup>2</sup>

**Products:** Decothane Root Resistant, Decotherm insulation

S-VAP 500e vapour control and moisture barrier layer

Green Roof Detailing Coat

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