



SIKA AT WORK

ST. JOHN'S PRIMARY SCHOOL, SOUTHAMPTON

ROOFING: Sika Liquid Plastics Cold Fusion Bonded Built-Up Roof System
and Decolights



ST. JOHN'S PRIMARY SCHOOL, SOUTHAMPTON



PROJECT REQUIREMENTS

As part of a project to enable the increase of pupil numbers at St John's Primary School, an existing building was completely refurbished to provide a stand alone nursery. This required the upgrade of its building fabric, including the roof, to meet current building regulations. The existing felt waterproofing had come to the end of its life and inadequate falls meant ponded water had caused the deck to deflect. In addition the use of bonded solar reflective chippings presented its own problems including adding dead weight to the structure and retaining dirt and water, which had lead to organic growth on the roof. Using these type of chippings can also lead to blocked outlets and gutters.

SIKA LIQUID PLASTICS SOLUTION

A tapered insulation system was required for the project to create falls in the roof so that rain water would run to the outlet. This meant that the perimeter heights had to be increased to accommodate the depth of the new roof.

A Cold Fusion Bonded Built-Up Roof System from Sika Liquid Plastics was specified for the project, which consists of a vapour control layer, a tapered Decotherm insulation scheme, carrier membrane, and a seamless Decothane Delta 25 waterproofing membrane. Five new replacement Decolight rooflights were also installed along with two new outlets, re-using existing positions.

The entire system is completely cold applied and benefits from the Decothane seamless 'cap sheet' - a cold applied, liquid membrane that cures to provide guaranteed waterproof protection. It can also be quickly and easily installed even around complex detail areas, to create a monolithic finish.

PROJECT PARTICIPANTS

Product: Sika Liquid Plastics Cold Fusion Bonded Built-Up Roof System and Decolights

Size: 250m²

Client: Southampton City Council

Design Consultants: Capita Symonds

Main Contractor: Neilcott Construction Ltd

Roofing Contractor: Salnor Roofing

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



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EMS 45308



OHS 585274



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