



# SIKA AT WORK

## ROYAL PRESTON HOSPITAL

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



# ROYAL PRESTON HOSPITAL



## PROJECT REQUIREMENTS

The Royal Preston Hospital in Lancashire is the district's major acute hospital and serves both Preston and the wider community with its Accident and Emergency department and comprehensive range of specialist facilities. With an increasing population of 230,000 the Lancashire Teaching Hospitals NHS Trust were looking to extend Preston's site with the addition of a new building in an existing courtyard.

Considering the site of the new structure was surrounded by existing buildings that could not be out of service, the NHS required a complete built-up roof system that caused no risk of fire, nor released smells and odours like those associated with traditional bitumen systems.

## SIKA LIQUID PLASTICS SOLUTION

Sika Liquid Plastics' Cold Fusion Bonded Built-Up Roof System was specified as it requires no use of heat or naked flame. The complete system is fully bonded with Decostik®, a cold fusion polymer adhesive that exhibits excellent adhesion due to its ability to penetrate fibrous materials and surface irregularities in non-porous substrates. The builtup system also incorporates Decotherm™ insulation (100mm), a carrier membrane and a seamless Decothane 'cap sheet' on a metal deck structure.

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



FM 12504



EMS 45308



OHS 585274



By using a Cold Fusion Bonded Built-Up Roof System adhered with Decostik®, any risk of fire to the new structure and surrounding buildings is eliminated due to Decostik's® zero heat, zero flame technology. The entire system is completely cold applied and once installed meets the highest fire ratings. No odours are released as can happen with bitumen systems and the Decotherm™ insulation is also free from Halogens, CFC's and HCFC's. Furthermore, the complete built-up system can be guaranteed for up to 25 years.

## PROJECT PARTICIPANTS

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

**Size: 400m<sup>2</sup>**

**Client: Lancashire Teaching Hospitals NHS Trust**

**Contractor: Design Roof Systems**

## SIKA LIMITED

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