



SIKA AT WORK IVANHOE COLLEGE, LEICESTERSHIRE

ROOFING: Decothane Ultra, 130mm Decotherm, S-VAP 5000 and Decolight roof lights





DECOTHANE ULTRA OFFERS TOP CLASS SOLUTION FOR IVANHOE COLLEGE

BACKGROUND

Ivanhoe College is a specialist technology academy for 11-18 year old students in Ashby-de-la-Zouch, Leicestershire. The school aims to provide a 'rich and creative teaching and learning community' in a 'safe and caring environment' and converted to Academy Status in 2012.

The campus is made up of various inter-connected buildings of varying heights and has a number of roof lights. The 2,400m² roof was in poor condition with multiple patch repairs and there were leaks due to failed detailing. Insufficient drainage had also caused ponding water on the roof, putting the existing surface at increased risk of further damage.

REQUIREMENT

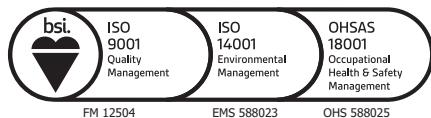
The school needed to access funding to enable a roof refurbishment project to take place so its management team worked with specialist consultancy MAKE Consulting and Sika Liquid Plastics to develop a Government funding bid based on clear roof condition, affordability and performance criteria.

As the project had to be carried out during term time in a live school environment, it was important that the roofing system chosen could be installed with minimal health and safety risk or disruption. Consequently, Sika Liquid Plastics cold-applied, virtually odourless Decothane Ultra liquid system was selected.

It was also vital to upgrade the insulation as an integral part of the roofing project to bring the building's thermal performance into line with current building regulations.

The project had to address the issues with detailing and replace the existing roof lights while making modifications to the roof to resolve the lack of drainage and overcome the problems with standing water.

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



SIKA LIQUID PLASTICS

Sika House,
Miller St,
Preston,
PR1 1EA
United Kingdom

Contact

Phone +44 1772 259781
Fax +44 1772 255670
E-Mail liquidplastics@uk.sika.com
www.liquidplastics.co.uk
[@LiquidPlastics](https://twitter.com/LiquidPlastics)

SIKA LIQUID PLASTICS SOLUTION

Sika Liquid Plastics' Area Technical Manager carried out a condition survey and developed a full technical specification as an integral part of the funding bid.

Quality Assured (QA) contractor, Central Roofing, was appointed to carry out the works and mooted the possibility of installing tapered insulation to resolve the drainage issues by creating falls to the problem roof areas. However, as there was not sufficient budget for this approach, Sika Liquid Plastics' Area Technical Services Team designed tapered gutters using 130mm Decotherm insulation board, enabling a low cost solution to achieve effective drainage.

The roof refurbishment was largely carried out as an overlay, with only the areas where the existing insulation had perished stripped back to the substrate. The existing roof lights were replaced with custom-fabricated Decolight roof lights, fabricated to meet the exact measurements of the existing aperture. 130mm Decotherm insulation board was adhered to the prepared roof surface, followed by Sika Liquid Plastics S-VAP 5000 self-adhesive membrane. The Decothane Ultra 25 cold-applied liquid system was then applied to the roof to complete the system.

The school is delighted with the result stating on its website: "Thanks to the fantastic work of the project managers Make Consulting, and the contractors Central Roofing and Sika Liquid Plastics, the project came in on time and on budget."

[CLICK TO SEE OUR FULL ROOF TRANSFORMATION VIDEO](#)

PROJECT PARTICIPANTS

Contractor: Central Roofing
Roofing Client: Ivanhoe College
Size: 2,400m²
Products: Decothane Ultra, 130mm Decotherm. S-VAP 5000 and Decolight roof lights

