



SIKA AT WORK

HUNGERHILL SCHOOL, DONCASTER

ROOFING: Decothane Ultra, Decotherm 130mm insulation board, S-Vap 5000 carrier membrane P600 primer and Decolight roof lights



COMPLETE SOLUTION FROM SIKA LIQUID PLASTICS IS TOP OF THE CLASS AT HUNGERHILL SCHOOL

BACKGROUND

Established in 1976, Hungerhill School in Doncaster is one of the highest achieving state schools in South Yorkshire, with 1150 students aged 11-16.

The original 2,500m² roof had been specified with 150 rooflights, which were a significant cause of leaks. Raised areas of the roof were also causing pools of standing water after periods of heavy rain due to inadequate drainage. The poorly insulated roof was also making the school building difficult and expensive to heat.

REQUIREMENT

The school needed a solution that would provide a long-term approach to improving waterproofing, drainage and thermal performance and had identified the government funding as a source for the refurbishment work.

Due to the size and complexity of the project, it was clear that the work could not be carried out during the summer break alone, so the school also required a system that would avoid any risk associated with hot works and nuisance odours.

Hungerhill School's Business Manager commented: "Our previous approach to managing the condition of the roof with patch repairs meant that the issues with water ingress had never been permanently addressed so we needed a more long-term solution. CIF funding and the use of the Sika Liquid Plastics products as an overlay made this strategy viable."

SIKA LIQUID PLASTICS SOLUTION

Sika Liquid Plastics' Quality Assured (QA) Roofing contractor, Surface Protection Coatings, recommended Sika Liquid Plastics Decothane Ultra to Hungerhill School's facilities management team while carrying out some patch repairs and the Sika Liquid Plastics team then worked in partnership with specialist academy premises planning and funding consultants, S2e (Surveyors to Education) to help the school put together a funding bid.

Sika Liquid Plastics' technical team carried out a full site survey, taking core samples and compiling a full technical specification to support the business case, based on the severity of the roof repair requirements and the suitability of the Decothane Ultra warm roof system.

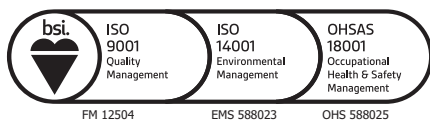
Surface Protection Coatings removed the solar reflective chippings from the roof surface before cleaning and preparing the felt roof surface. The 150 roof lights were removed and the recesses for 105 of these were overboarded to create a level surface with the existing roof. The remaining 45 roof lights were replaced in the original apertures using Sika's triple-skin Decolight rooflight fittings.

The installation team created new gutters to overcome issues with standing water in the vulnerable locations between raised roof areas and made improvements to the existing gutters.

Martin Ayr from Surface Protection Coatings commented: "This project really demonstrates how the supply chain can work together with the client to address significant problems with a roof.

"Now, instead of having to find money in their budget for patch repairs each year and dealing with the consequences of water ingress, Hungerhill School has a roof that will provide improved thermal and waterproofing performance for a guaranteed service life of up to 25 years."

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PROJECT PARTICIPANTS

Bid Value: £980,000

Contractor: Surface Protection

Roofing Client: Hungerhill School

Size: 2,500m²

Products: Decothane Ultra, Decotherm 130mm insulation board S-Vap 5000 carrier membrane, P600 primer, Decolight roof lights

