



SIKA AT WORK

GREAT MARLOW SCHOOL, BUCKINGHAMSHIRE

ROOFING: Decothane Ultra, Decothem and Decolights



COLLABORATIVE APPROACH SEALS WINNING FUNDING BID FOR GREAT MARLOW SCHOOL

BACKGROUND

Great Marlow School is a co-educational high school academy in Buckinghamshire with 1,250 students aged from 11-18, around 200 of which are enrolled at the school's sixth form.

The school became an academy in 2011 and in 2016 embarked on an expansion programme to enable an increased student intake. The resulting construction programme to create a new building with a performing arts centre, eight new classrooms and a new reception area was completed in time for the 2017-2018 academic year.

As part of its improvement plans, Great Marlow School had applied for a government funding support grant to refurbish its existing 1960s-built main school building. The school's management team worked collaboratively with Sika Liquid Plastics' and specialist building surveyor, Make Consulting, submitting a successful bid for the project the second time around.

REQUIREMENT

The successful funding bid followed a full condition survey and technical specification developed by Sika Liquid Plastics' Area Technical Manager and the development of a full business case for the works.

The school required a solution that would address the water ingress issues with the existing roof surface, upstands and detailing, and upgrade its thermal performance in line with current building regulations, while helping to manage the health and safety challenges of working in a live school environment. This called for a cold-applied liquid system that could be installed without the use of hot works or heavy equipment on the roof and would provide a virtually odourless refurbishment to prevent disruption from nuisance odours. Decothane Ultra was the ideal specification.

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



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SIKA LIQUID PLASTICS SOLUTION

Sika Liquid Plastics' Quality Assured (QA) Contractor, ICE Roofing, was appointed to carry out the roof refurbishment works at Great Marlow School.

As there was only a minimal amount of insulation within the existing roof build up, ICE Roofing used 120mm Decotherm insulation board to bring the roof up to current building regulations standards, using a slimmer profile board to line the existing gutters.

The existing wired glass roof lights were replaced using 45 custom-fabricated Decolight units, installed in the original roof light apertures and the roof was then completed using the virtually-odourless Decothane Ultra 25-year system, avoiding the need for any hot works and providing a robust solution with an extended service life.

Steven Redgate from Make Consulting commented: "The roof of this school was in a severe state of degradation and, by working collaboratively with the school's management team and Sika Liquid Plastics' dedicated funding team, we were able to develop a solution that both secured funding and will provide long-term improvements to the building fabric."

"Alongside the 25-year single point guarantee of the finished system, the school has also benefitted from the buildability benefits of using Decothane Ultra in combination with Decotherm and Decolights, with the cold-applied application of a virtually odourless system helping to maintain safety and business-as-usual operations on campus."

PROJECT PARTICIPANTS

Bid Value: £540,000

Contractor: ICE Roofing

Roofing Client: Great Marlow School

Size: 1,984m²

Products: Decothane Ultra, Decotherm, Decolights

