



# SIKA AT WORK

## NETHERHALL HIGH SCHOOL, RAWTHORPE, HUDDERSFIELD

ROOFING: Decothane Gamma 20 BUR (Slate Grey) and Decotherm insulation







# SIKA LIQUID PLASTICS' DECOTHANE GAMMA BUR SYSTEM IS PITCH PERFECT FOR NETHERALL HIGH SCHOOL

## BACKGROUND

A federation of four schools established in 2010, Netherhall Learning Campus is in Rawthorpe, Huddersfield. The extensive campus is designed to meet the needs of learners of all abilities from aged three to 19 years old.

Amongst the schools on campus is Netherhall High School, which includes a dining hall for students. This area of the building features an unusual roof design, with a parapet wall around the perimeter and a series of pitched triangular details across the roof area. These were originally a glazed feature but the glazing was over-boarded during a previous refurbishment and the whole roof was been finished with a felt covering which had reached the end of its service life.

## REQUIREMENT

To minimise disruption and health and safety risk, a cold-applied liquid roofing system was required for the project to enable encapsulation of the extensive detailing, while avoiding the need for hot works and overcoming the need for strip out where possible.

The client also stipulated that the chosen system should have a 20-year service life as part of their building maintenance planning and asset optimisation strategy.

The roof refurbishment also involved a requirement to upgrade the existing insulation to bring the building into line with current Building Regulations.

To address all of these requirements, Sika Liquid Plastics' Decothane Gamma BUR 20-year system was specified.

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

Following a site audit and condition survey of the roof carried out by a Sika Liquid Plastics' Area Technical Manager, a full specification was developed to meet the project requirements.

Sika Liquid Plastics' Quality Assured (QA) contractor, Holloway Cook, was appointed to carry out the 610m<sup>2</sup> roof refurbishment, including encapsulation of the parapet walls. Due to the position of the roof area in the centre of a number of other buildings, Holloway Cook erected a large scaffold to access the work area and utilised specialist access systems to ensure the safety of the team throughout the programme.

The legacy covering on the flat areas of the roof had degraded to such an extent that these areas had to be stripped out prior to installation of 130mm Decotherm insulation board, which was fully-adhered to the substrate. For the pitched roof areas, 100mm Decotherm insulation was mechanically fixed as an overlay to the over-boarded sections.

The Holloway Cook team then installed the Decothane Gamma BUR system in slate grey, completely encapsulating the parapet wall areas as an integral part of the waterproofing project to completely eliminate the risk of leaks from an area of the roof that had previously proved problematic.

Mike Holloway from Holloway Cook commented: "The difficult detailing and awkward access conditions made this a challenging project but use of Sika Liquid Plastics' cold-applied Decothane Gamma BUR liquid system made it possible to manage the access restrictions with minimal need for equipment while encapsulating all the details effectively - including the pitched sections and interface with the parapet walls - to ensure a neat and robust finish with a guaranteed 20-year service life."

## PROJECT PARTICIPANTS

**Contractor: Holloway Cook**

**Roofing Client: Netherhall Learning Campus**

**Size: 610m<sup>2</sup>**

**Products: Decothane Gamma 20 BUR (Slate Grey) and Decotherm insulation**

