



SIKA AT WORK

MURRAY PARK SCHOOL, DERBY

ROOFING: Sika Liquid Plastics Decothane Omega 15.

MURRAY PARK SCHOOL, DERBY



PROJECT REQUIREMENTS

Murray Park Community School in Mickleover, Derby was undergoing a number of major refurbishment projects across the entire building envelope, from the flooring and windows to the roof.

In particular, the roof on C Block was in an extremely poor state, with various leaks and old, draughty roof lights. Derby City Council wanted to get the roof refurbished and the roof lights replaced, however there was a very strong chance that asbestos would be found in the upstands. In addition, very low upstand heights at certain junctions on the roof would mean that no recovery board (usually a thin piece of insulation fitted to create an even surface upon which to install the new waterproofing) could be used.

To add to the challenge, all work had to be carried out over the six week summer holiday, to ensure there was no disruption to pupils and staff.

SIKA LIQUID PLASTICS SOLUTION

Faithful and Gould, the appointed surveyor working on behalf Derby City Council, was asked to advise on replacing the old and damaged roof lights. However, given that asbestos had already been found in other areas of the school, the cost of removing the roof light upstands, both financially and time-wise, was too great a risk to take. Due to these constraints any conventional replacement of the roof lights would not be possible. Sika Liquid Plastics' Decolight over-sleeves were the perfect solution, as they can be installed without disturbing the original lights.

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



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NRA Roofing was contracted to complete the roof refurbishment, which included installing the Decolight over-sleeves and applying a Sika Liquid Plastics waterproofing system, Decothane Omega 15.

Firstly, the original GRP caps were removed and new over-sleeves were fitted around the existing upstands. NRA then installed new GRP caps on top, thus creating a new roof light without removing the old. This not only stopped any potential asbestos disturbance but also meant that no 'making good' was required internally.

The old waterproofing on the roof consisted of a bituminous felt system with stone chippings embedded into the cap sheet, resulting in a very uneven surface. Thanks to the flexibility of the liquid applied Decothane system, once the loose chippings were swept away, all that was needed was a slight scrubbling to flatten any leftover embedded stones. This was then ready to have the base coat installed upon to it, followed by the top coat. NRA commented how quickly and seamlessly the product went down around the 70 roof lights. Speed was a key driver for the client, as disturbance needed to be kept to a minimum.

The original program of works was to carry out 2000m of roof refurbishments with Decothane Omega 15 during the six week break, however there was an additional 500m that was also needed. NRA Roofing was able complete the entire project on time, including the extra area, within the six week allocated period, in part thanks to the product and expertise from Sika Liquid Plastics. The scaffolding was removed from the building before the children started school again in September.

PROJECT PARTICIPANTS

Contractor: NRA Roofing
Project: Murray Park School, Derby
Client: Derby City Council
Size: 2500m²
Surveyors: Faithful and Gould

