



SIKA AT WORK

NEWNHAM COLLEGE, CAMBRIDGE

ROOFING: Sika Sarnafil G410-18ELF single ply membrane in Light Grey

Sarnafil®



NEWNHAM COLLEGE, CAMBRIDGE



PROJECT REQUIREMENTS

Improving the insulation and aesthetics of the Principal's Lodge at Newnham, one of the 31 colleges at the University of Cambridge was the over-riding objective of this project that set to upgrade the existing corrugated aluminum roof.

The roof building is visible from adjacent blocks so the visual impact is significant which meant the need for good aesthetics was essential.

The original roof was not in character with the nature of the dwelling; it was virtually un-insulated and was an industrial style aluminum roof so at the client's request, Cambridge Polymer Roofing installed a Sika Sarnafil G410-18ELF single ply membrane in Light Grey. This is an adhered system, which also incorporated Décor Profiles to imitate a standing seam roof.

To ensure that disruption to staff and students was kept to a minimum, the buildings manager at Newnham College worked closely with main contractor Cambridge Polymer Roofing to manage the project appropriately.

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



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SIKA SARNAFIL SOLUTION

The specification required attachment of the new roofing system to the existing metal deck, which meant additional fixings were installed to ensure the deck was secure prior to the SarnaTherm installation being mechanically fastened on top. As the profiled deck was aluminum – soft metal – normal fasteners could not be used and special fixings, called peel rivets, which are normally used with problem decks, were used instead.

Once the insulation was attached the Sika Sarnafil membrane was then installed to give a waterproof finish and completely encapsulate the existing roof.

The greatest difficulty on the project was in changing the profiled aluminum details to Sika Sarnafil details and still maintaining the aesthetics. Additionally, the low pull out strengths of the aluminum deck necessitated alternative fixings by way of the peel rivets.

The project was successfully completed to the client's satisfaction, on time and budget.

The finished product looks very good thanks to the Sika Sarnafil G410-18ELF single ply membrane in Light Grey, with the Décor Profiles imitating a standing seam roof.

PROJECT PARTICIPANTS

Size: 500m²

Contractor: Cambridge Polymer Roofing

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