



SIKA AT WORK

NORTHAMPTONSHIRE SCHOOLS

ROOFING: G410-18EL



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PROJECT REQUIREMENT

A 4 year programme with over 30 schools being refurbished with just 1 still to be completed (start May 2015). Financed by county council capital funds, Northamptonshire County Council undertook a multi-million pound remedial works programme on a number of schools originally built in the 1960's and 1970's. All of the buildings were suffering from some degree of water ingress, and the roofs needed to be brought in line with current building regulations for improved thermal performance. The roofing works were secondary to a series of structural alterations to strengthen the buildings and tie together the walls and roofs.

Sika's Sarnafil Plus refurbishment service provided the perfect solution for the council as the refurbished schools benefitted from a single-point guarantee covering not only the single ply membrane but also the design and workmanship. Prior to any work being carried out, an in-depth survey was completed on each of the schools to ensure the correct specification was utilised.

SIKA SARNAFIL SOLUTION

Sika Sarnafil's specialist roofing contractors installed over 50,000m² in light and lead grey of G410-18EL single ply membrane to the school roofs. This is a PVC membrane formulated for direct exposure and designed for use in all climatic conditions. It also has a unique lacquer coating applied to the top of the membrane to resist staining from airborne dirt and pollutants. For the later roofs a Lead Grey fleece back membrane was installed. The Sarnafil system is fully adhered and includes SarnaTherm insulation to provide better thermal performance. In this project only

the roofs which did not attain a U value of 0.35w/m² were thermally upgraded. In addition all of the existing rooflights were replaced, which totalled over 700 plus new rooflights.

The system was chosen because it is cold applied and therefore a popular choice for schools as it allows staff and pupils to remain on site throughout the works. The Sarnafil Plus refurbishment service also offered peace of mind across this multi-site project as there were weekly inspections by Sika Sarnafil's Field Technicians and a final inspection before the guarantee was issued. Now complete, all of the school roofs are guaranteed for 20 years.

CONCLUSION

The project allowed Sika Sarnafil to demonstrate its competence and expertise in refurbishment in providing a sustainable high performance tailor-made roofing solution to fulfil the customer requirements from a technical, economic and environmental point of view.

PROJECT PARTICIPANTS

Client: Northamptonshire County Council
Contractors: A Span, Derwent Roofing Services, Itech Roofworks, RLW Roofing, Roofing Contractors Cambridge
Architects: GSS Architecture

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