SIKA AT WORK
NEW ELGIN PRIMARY SCHOOL

ROOFING: SIKA SARNAFIL HD SYSTEM

Sarnafil®

Sika®

SARNAFIL HD SPECIFIED TO SAVE SCHOOL WITH DURABLE ROOFING SOLUTION

PROJECT REQUIREMENT

As part of Moray Council's Essential Repairs and Upgrade Programme 2018/19 for schools, a high-quality flat roof refurbishment was required at New Elgin Primary School in Moray, Scotland.

With previous roof re-coverings proving problematic, two key requirements were highlighted from the outset. These included upgrading the building's thermal performance, in order to improve comfort for occupants and help save energy, and improving robustness, in order to mitigate damage caused by vandalism attacks experienced at the school.

SIKA SARNAFIL SOLUTION

The large task included a complete upgrade of all flat roof areas and rooflights, plus essential repairs to pitched roof sections. With Moray Council having used Sika Sarnafil for numerous other school and council properties with great success, Sarnafil was specified as the right system for the 2500m2 area, which was procured under a competitive tendering process.

The architect worked closely with Sarnafil throughout the project to ensure the chosen roofing products provided the required detail, specification and performance. A Sarnafil HD bonded system was recommended to guarantee a high quality and durable roof. By combining the thickest single ply membrane available – 2mm – and the most robust insulation board – SarnaTherm HD – the Sarnafil HD system offered a long-term, resilient and well-insulated roofing system with very low thermal conductivity.

With the strong and hard-wearing Sarnafil HD more suited to tougher conditions, the refurbishment meant the roof would be equipped to resist further damage from foot traffic, heavy loads and attempted vandalism.

Roofing contractor A&B Buchan was tasked with the installation through principle contractor Morrison Construction. As a Sika Sarnafil Registered Contractor that's used Sarnafil products for the majority of their projects over the last 30 years, A&B Buchan was well-equipped for the job. Despite the tougher and thicker HD membrane specified, the system was installed easily and seamlessly by their expertly trained team.

The main challenge of the refurbishment was installing the roof during term time in an operational school. Under Construction Design and Management Regulations (CDM), all required health and safety measures were executed by Morrison Construction. These included implementing perimeter safety barriers, using suitable scaffolding and isolating work areas as required in conjunction with the school, ensuring the safety of those working onsite as well as staff, pupils and visitors.

The work also saw several SarnaLite rooflights installed and SikaLastic liquid polyurethane used for problematic detailing on the roof.

Regular site visits were carried out by Sika Sarnafil to ensure the quality of the installation and excellent communication channels were maintained between Morrison Construction and A&B Buchan, ensuring the project was completed to the client's satisfaction.

A 20- year Sarnafil Plus Extended Product and Installation Guarantee was issued, giving the school complete peace of mind.

PROJECT PARTICIPANTS

Client: Moray Council Education Department
Main contractor: Morrison Construction
Roofing contractor: A&B Buchan
Project name: New Elgin Primary School
Location: Elgin
Area: 2500m²
Architect: Moray Council Environmental and Property Services

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