Sika at Work

Roofing

Bath University

Roofing: Trocal S Slate Grey

Sika-Trocal®

Project Requirement

Bath Spa Univserity traces its history back over 160 years to the original Bath School of Art and Design, back in 1851. The University has now trained teachers for over 60 years, and has become a leading institute for education in the UK since it was granted university status, becoming Bath Spa University in August 2005.

The Compton and Ashton buildings form part of the Newton Campus, which is the University's main estate. The buildings comprised of four main roof coverings and over 1000sqm, which were all protected by green mineral felt and had been in place for over 20 years. A pull out test was taken on the existing roofs, and although they were still approved as safe there were signs of deterioration and very poor thermal properties, with less than 40mm of insulation. As the university was refurbishing the building, they wanted to match their green credentials of the roof with their current work and that meant increasing U-Values and thermal efficiency.

In addition, the client required the project to be completed within a four week period, due to the school being shut for annual leave. This ruled out many types of roofing systems with immediate effect.

Sika-Trocal Solution

Sika-Trocal Type S membrane, in Slate Grey, was specified by the client. Because it offered a rapid and ecomomic solution to the problem. As there was a three week time frame to complete the project, Sika-Trocal triumphed over competitors due to its speed of application thanks to the unique Sika-Trocal Disc System. The significant benefit of this system over other conventional systems is that this single fastener and plate combination is used to mechanically attach the thermal insulation and membrane to the roof, saving the expense and time of two attachment systems. As part of the client's requirements, over 250 sq metres of the roof had to be completed within seven days, to prove the credentials of the product, and to ensure that future works would be completed within the specified project deadline.

In order to meet the green requirements set by the refurbishment project, 80mm Kingspan TR26 was employed as part of the Sika-Trocal system, and was covered within the Sika-Trocal single point guarantee. This level of insulation provided was more than 50% higher than the original roof. From the client's perspective, the thermal efficiency of the roof also meant that the costs of the project could be offset as a maintenance requirement.

Given the credentials of the Sika-Trocal product in the education sector we were able to install a long lasting and proven roofing solution for the University under mitigating circumstances.

Project Participants

Contractor: FRC Roofing
Client: Bath Spa University
Architect: Jones Lang Lasalle

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