



SIKA AT WORK

PORTLAND SCHOOL, BIRKENHEAD,

ROOFING: S-Vap HD, SikaRoof Adhesive-C200, Sikatherm PIR GT, SikaShield® E74
and SikaShield® HB79

BUILDING TRUST



SIKASHIELD SCORES ACADEMY TRUST'S GOAL AT FAMOUS FOOTBALLER'S FIRST SCHOOL



Project Description

Part of the Co-op Academies Trust since 2018, Portland School in Birkenhead is a primary school for children aged 3-11. Attended by Everton and England footballing legend of the 1920s and 30s, Dixie Dean, the main school building has had many additions over time, resulting in a roof with 24 roof areas at varying levels and with various roof build-ups. The whole of this 1600m² roof was in need of refurbishment as part of a programme of maintenance and upgrades following the school's transition to academy status.

Project Requirements

The Co-op Academy Trust developed a specification requirement for the project, which included the use of a bituminous system with an extended service life. The SikaShield[®] 25-year system provided an ideal solution for this requirement. Safety precautions were even more important due to the live school environment so working with a roofing provider that could offer a Safe2Torch system with self-adhesive membranes for torch-free zones was imperative. Sika's specialist Roof Refurbishment team was able to do a full site survey and provide a Safe2Torch plan for the installation.

The quality and durability of the finish was also a key requirement of the project. The SikaShield[®] system, combined with the skills and experience of the team at roofing contractor, Holloway Cook Associates Ltd, answered this need with neat detailing, across all roof areas.

Sika Solution

Co-op Academy Trust approached Holloway Cook about the project as a roofing contractor that could deliver the role of principal contractor, including design, health and safety and installation within a turnkey package. The contractor considered the SikaShield[®] system, along with the support of Sika's Roof Refurbishment team, to be the ideal solution for this project. All roof areas were stripped out, including removal of 19 layers of previous waterproofing systems from the oldest part of the roof, to reveal varying substrates including concrete, plywood and asphalt. The Holloway Cook team prepared each roof area before applying the S-VAP HD SA air and vapour control layer (AVCL), followed by SikaTherm insulation.

The SikaShield[®] E74 self-adhered underlay was then installed onto the insulation followed by SikaShield[®] E79 Torch-on cap sheet in all Safe2Torch areas. For the torch free zones identified on the Safe2Torch plan, comprising the interfaces between roof areas and adjacent buildings, SikaShield[®] E79 self-adhesive cap sheet was used. Holloway Cook also replaced façade's and several windows as part of the project scope.

Mike Holloway, Operations Director of Holloway Cook comments: "Our team is very experienced in bituminous membrane installations but the SikaShield[®] system is new to us. We have been very impressed with both the ease of use and quality of finish the system offers, all supported by the service and technical support that Sika provides throughout the project."



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Project participants

Contractor: Holloway Cook Associates Ltd

Roofing Client: Co-op Academies Trust

Size: 1600m²

Products: S-Vap HD AVCL, SikaRoof Adhesive-200, SikaShield[®] E74 self-adhered underlay, SikaShield[®] HB79 torch on cap sheet, SikaShield[®] E79 self-adhesive cap sheet

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