



SIKA AT WORK

PAISLEY POLICE DIVISIONAL HEADQUARTERS

ROOFING: Sika Liquid Plastics Decothane



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BACKGROUND

Paisley Police divisional headquarters was originally constructed in 1964 as part of a mixed development that includes the police headquarters, Renfrewshire Council offices and the District Court. The 1,000m² single-storey building was partially overlaid using Sika's Decothane liquid system 30 years ago, when polyurethane membranes were in their infancy. Whilst this surface was still intact, two thirds of the roof still had an asphalt surface which was beginning to fail.

REQUIREMENT

Seeking a seamless, cold-applied solution, the client also required a robust 20-year guarantee to ensure that the police station would remain leak-proof for years to come. A liquid system needing no hot works was the optimal choice for overlaying the project, which also involved the construction of a new raised concrete area to accommodate new plant.

SIKA LIQUID PLASTICS SOLUTION

The scheme's architect, Kenneth MacNaught, turned to Sika Liquid Plastics to provide a waterproofing system for the entire roof and specified Decothane 20-year single point guarantee system in slate grey.

Roofing contractor, MMPS Scotland Ltd, prepared the roof by power washing both the asphalt and Decothane surfaces and carrying out patch repairs on the asphalt to create an even surface. An appropriate Sika primer was then applied to each area and allowed to cure overnight before the Decothane system was applied.

MMPS used the Decothane system on the new raised concrete area to encapsulate the upstands, lifting each piece of plant to install the roofing system in phases across the rooftop plant area to ensure a completely watertight finish.

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To complete the installation MMPS created non-slip maintenance walkways by applying an additional layer of green Decothane top coat with fine sand and sealant around the plant roof and access areas.

All works were checked on a weekly basis during progress by the Sika Liquid Plastics applications team to ensure correct application of the system, leading to a full 34-point final inspection sign-off.

Jim Killen from MMPS, said: "We have been using the Decothane system for around 12 years and were impressed to find that the Decothane surface laid onto this roof 30 years ago was still performing well.

"As a low odour system that requires no hot works, Decothane was the ideal solution for this building and, as always, the technical support we received from Sika was second to none."

Danny Quinn, senior area manager, from Sika Liquid Plastics adds: "Decothane has been used on many police station and custody suite projects in Scotland because of its excellent service life and ease of application.

"We're delighted but not surprised that the existing Decothane at Paisley divisional HQ's custody suite was still intact and, following the overlay project, the whole building can now expect to remain leak-free for decades to come."

PROJECT PARTICIPANTS

Product: Decothane

Size: 1,000m²

Client: Police Scotland

Contractor: MMPS Scotland Ltd

