



SIKA AT WORK

UK BORDER AGENCY, CARDIFF

ROOFING: Sika Sarnafil G410-15ELF

Sarnafil®



KEEPING THE UK BORDER AGENCY DRY



PROJECT REQUIREMENTS

In 2013 The UK Border Agency facilities management team contacted construction company Interserve with severe concerns about the flat roof on their building in Cardiff. Substantial areas of standing water had formed on the existing coverings and the large quantity of roof-mounted air conditioning plant may hamper the effectiveness of any repairs. Interserve, in turn tasked Owlsworth Roofing with advising on the most suitable long-term waterproofing solution for the roof. Following a site assessment, Owlsworth recommended a full roof refurbishment before any major problems began to occur, which would include the difficult task of removing and reinstating all of the existing roof plant.

SIKA SARNAFIL SOLUTION

Scaffolding was erected and work began in earnest with cut-to-falls insulation bonded to the existing roof coverings to help reduce standing water. Then, in order to provide a long-term and cost-effective waterproofing solution for the building, Owlsworth chose to install Sika Sarnafil roof coverings. Sarnafil G410-15ELF was selected thanks to its outstanding resistance to weathering and ease of installation. The internal upstand kerbs needed to be raised to fully surround the stone parapet around the external elevations of the building. This was in order to accommodate the increased thickness of insulation, which exceeded 300mm in places.

To further guarantee a watertight finish and to keep the roof sound for years to come, the stone parapet was covered with a layer of Sarnafil G410-15EL membrane, finished with pre-fabricated Sarnametal edge trims around the entire perimeter. Sarnafil rain water scuppers were then installed to carry rainwater through the parapets into the existing external hoppers and downpipes, thereby removing any chance of standing water.

The original roof mounted plant was carefully reinstated on a combination of G445-13 protection sheet and inverted G410-15ELF sacrificial pads and then reconnected. This was followed by reinstalling the roof mounted handrails and adding a new non-slip Sarnatred walkway for future access and maintenance.

The complex level of detail on this refurbishment was a challenge but the skilled team and the quality of the Sarnafil product produced fantastic results for the client.

PROJECT PARTICIPANTS

Size: 750m²

Contractor: Owlsworth Roofing

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



SIKA LIMITED

Sika Sarnafil,
Watchmead,
Welwyn Garden City,
Hertfordshire, AL7 1BQ

Contact

Tel 01707 394444
Fax 01707 329129
Email sarnafilroofing@uk.sika.com
www.sarnafil.co.uk

Sarnafil®

