



SIKA AT WORK

HOW INNOVATIVE ROOFING SOLUTION
ADAPTED TO CHALLENGES IN MODERN
RESIDENTIAL YORK DEVELOPMENT

ROOFING: SIKA® SARNAFIL®

BUILDING TRUST



EBORACUM WAY



EBORACUM WAY, IN THE HEART OF YORK, HAS RECENTLY UNDERGONE A TRANSFORMATION WITH THE DEVELOPMENT OF A NEW RESIDENTIAL BUILDING. THE BUILDING ITSELF FEATURES A DISTINCTIVE ROOF DESIGN THAT HAS DIVERGED FROM THE TYPICAL NEW BUILD DESIGNS, INCORPORATING A RANGE OF ROOF TYPES AND COMPONENTS, TO OFFER A CONTEMPORARY AND STYLISH BUILDING WITH ENHANCED FUNCTIONALITY.

Despite setbacks during the planning and design stages – including COVID-related disruptions and financial partnership challenges – the project teams showcased adaptability and resilience to ensure the project reached completion.

The roofing system spanned a total of 1,100m², spread across three primary sections, each with unique design requirements. The top roof was 450m² and featured a metal deck with falls to the purlins. It also included a mansafe system and PV arrays at the roof's edge.

The second roof was 650m² and featured a green roof, terraced aluminium decking, and PV panels. The third roof was 150m², and also included a mansafe system and a green roof. This was complemented by aluminium decking for the apartment terraces, as well as aluminium rainwater pipes and hoppers.

To meet the unique demands of the building's roof, Sika's Sarnafil® G410-15 EL, a fully adhered PVC membrane was selected. This singly-ply solution was chosen for several key reasons, including its proven performance, ease of installation and enhanced safety credentials due to its hot air welding installation method.. It is also highly resistant to permanent UV radiation, and its glass fleece inlay provides high dimensional stability and wind uplift resistance. The system comes with a 15-year guarantee, offering clients reassured longevity and reliability.



The specification of Sika's Sarnafil® G410-15 EL was also driven by its versatility, eliminating the need for multiple systems to accommodate the building's diverse roof designs. The single-ply membrane was successfully applied across various conditions, including beneath a green roof, exposed areas, and ballasted installations.

Protech Roofing was contracted to install the Sika's Sarnafil® G410-15 EL roofing system. Throughout the project, Sika's Site Support Engineer, played a critical role in ensuring the system was installed to the highest standards. Conducting weekly site inspections, overseeing each layer of the multi-layer system to confirm it was correctly and safely installed before proceeding to the next phase.

This unique project in York exemplifies how Sika® Sarnafil® roofing systems can be adapted to meet a wide range of roofing challenges. Its versatility, ease of installation, and long-lasting performance made it the ideal solution for this modern accommodation, contributing to both the building's functionality and aesthetic appeal.

PROJECT PARTICIPANTS

Size: 1,100m²
 Client: Eboracum Way
 Contractor: Protech Roofing



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