



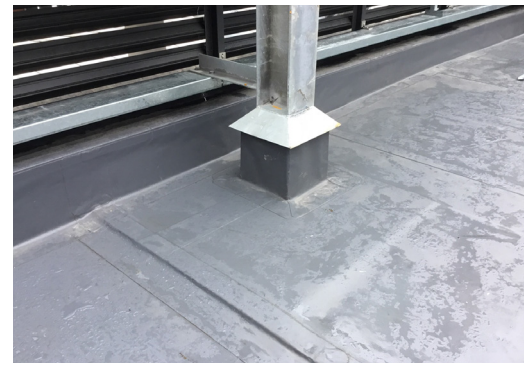
SIKA AT WORK

30 BROWN STREET, MANCHESTER

ROOFING: SARNAFIL G410-18ELF IN LEAD GREY, PRIMER 610, SARNAVAP 5000E VAPOUR BARRIER AND C250 SPRAY-APPLIED ADHESIVE

Sarnafil®





ROBUST SARNAFIL ROOF DESIGNED TO PERFECTION

PROJECT REQUIREMENT

30 Brown Street, a 1980s office building in the heart of Manchester, is undergoing an £8 million refurbishment, to achieve Grade A office building status. Central to the project is the expansion of the workspace to 4,460m² to provide additional, flexible floor space, to meet the needs of modern businesses.

The project has been upgraded with a contemporary envelope, modern spacious interior, and a new 900m² rooftop floor added to the five-storey building. In its central location, 30 Brown Street is set to revitalise its surrounding streetscape.

The roof was an essential part of the design, as it needed to match the building's new aesthetic, to remain in keeping with the high standard of the rest of refurbishment. Also required was a robust roof, with enough strength and durability to withstand the weight of air conditioning units, whilst remaining watertight around these components.

A tapered insulation scheme was needed, to provide the necessary falls for good drainage. Additional service penetration housing in the tapered scheme required a re-design of the roof, to include a diversion of the flat roofing boards, to stop them clashing with a gutter.

SIKA SARNAFIL SOLUTION

The designers of the building, PRP Architects, have worked with Sika Sarnafil previously and, due to good experiences, wanted to again. Sika Sarnafil meticulously created the specification to match 30 Brown Street's new look, perfecting the complicated insulation design to ensure a long-lasting, durable waterproofing solution. The Sarnafil project was the first to be undertaken by five-time NFRC 2018 shortlisted roofing contractor, Longworth, and was completed, impressively, within a tight timescale.

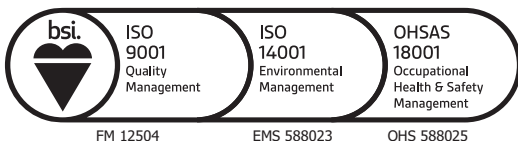
One of Sarnafil's thicker membranes, Sarnafil G410-18ELF in Lead Grey was specified, to withstand the weight of the heavy air conditioning units, and complement the building's contemporary metallic envelope, alongside Sikalastic liquid detailing, to seal the cowls, for absolute waterproofing.

At the beginning of the project, Sarnafil provided Longworth with a detailed design drawing split into timescales, ensuring the smooth and efficient installation of the roof within the short schedule. Throughout the installation, Sarnafil worked closely with Longworth, leaving them reassured that everything would arrive on time, and was carefully considered for its specific purpose on the building.

Even with this preparation, the installation was not without its challenges, as the building is situated in one of the busiest parts of Manchester, with limited access, making the delivery of products significantly more difficult. Together, Sarnafil and Longworth found a solution, to crane the deliveries onto the building in stages throughout the project, whilst keeping public safety in mind.

Firstly, Sarnafil's Primer 610 was applied to the concrete. Then the backing film on the underside of the self-adhered Sarnavap 5000E vapour barrier was peeled off, and the product rolled out, and stuck down, at which point the roof was already watertight. Insulation boards were bonded to the vapour barrier, using C250 spray-applied adhesive – a quick and easy method that resists the effects of wind uplift. The spray applied method results in less mess and hassle than traditional adhesive methods, and no waste – any leftover product can be used again for another job.

Delivering this project, to a tight deadline, has marked the start of a strong partnership between Longworth and Sika Sarnafil. Excellent workmanship, combined with rigorous design revisions, and attention to detail, has resulted in a roof that will stand the test of time, backed by a 20-year Sarnafil guarantee.



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PROJECT PARTICIPANTS

Roofing contractor: Longworth

Project name: 30 Brown Street

Location: Manchester

Area: 900m²

Architect: PRP Architects

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