



SIKA AT WORK

NAPP PHARMACEUTICALS, CAMBRIDGE

ROOFING: SarnaTherm insulation, fastened with Sarnafil SBT thermally broken stainless steel fasteners and laid Sarnafil S327-18EL Light Grey roofing membrane



SARNAFIL PLUS IS PERFECT PRESCRIPTION FOR PHARMACEUTICAL FACILITY



PROJECT REQUIREMENT

Iconic in design, the Napp building is famously nicknamed 'the Toast Rack'. Housing a multi-million pound pharmaceutical manufacturing facility, it was essential that the building remained watertight and fully operational throughout its roof refurbishment. It was paramount that production could continue, as even half an hour of downtime could have resulted in millions of pounds lost.

Napp's unique design and architectural significance meant that the aesthetics of the roof were also of great importance, requiring a high quality product and the highest levels of detail, accuracy and craftsmanship.

The project called for an overlay of a 25-year old Sarnafil system and an upgrade of the insulation to current standards. Although the membrane was still performing well, the client wished to refurbish the roof as a precautionary measure, ensuring the continued weatherproofing of the building.

SIKA SARNAFIL SOLUTION

In partnership with Sarnafil Plus, a specification was created to match the existing clean look of the building, and provide a long-lasting, waterproofing solution. The project was undertaken by Roofing Contractors Cambridge (RCC), in two phases between 2015 and 2016.

To begin, the original membrane was cut at the perimeter of the roof and at all penetrations. SarnaTherm insulation was then laid in a staggered bond pattern, and fastened with Sarnafil SBT thermally broken stainless steel fasteners. This was followed by loosely laid Sarnafil S327-18EL Light Grey roofing membrane, in the same direction as the roof deck corrugations. All side and end laps were hot air welded, and then the membrane was mechanically fastened to the metal deck with Sarnabars. This flame-free application method allowed the building to remain open throughout the work.

To ensure the building remained watertight, careful planning, temporary waterproofing, and night joints were required. Movement of materials and deliveries were also carefully planned and monitored, to ensure minimal disruption to those using the building.

In places, the roof was covered by areas of plant, including one section with a large network of pipes. These had to be held by a bespoke temporary support system while the old support structures were moved, enabling the roof to be refurbished underneath.

The RCC team had to form new details that were sympathetic to the prestigious design of the building. They had to raise the perimeter of the roof (due to the new SarnaTherm insulation) and create a detail with Sarnametal trim, to match the building, keeping the same profile.

As a Sika Sarnafil contractor, RCC has been fully trained in the high quality installation of Sarnafil products, as well as health and safety. Detail work was carried out in accordance with Sarnafil's exacting standard detailing principles, published Sarnafil technical advice, and the recommendations of the project's Sarnafil Plus Refurbishment Surveyor during frequent site visits.

Weekly meetings between the client, RCC, Sarnafil Field Technicians, and scaffolders ensured all aspects of the project could be regularly reviewed and evaluated. Planning for each phase of the project was discussed at length, which resulted in the work running smoothly and being completed on time, safely, with no disruption to the facility, and within budget.

Sarnafil completed a final inspection of the project, deeming the workmanship to be of an extremely high standard, and awarding the system a Sarnafil Plus 20-year guarantee.

PROJECT PARTICIPANTS

Client: Bard Pharmaceuticals (Napp Pharmaceutical Group Ltd)

Contractor: Roofing Contractors Cambridge Ltd. (RCC)

Size: 6,000m²



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