



CASE
STUDY

Triflex

Delivering solutions together.

WALKWAYS WATERPROOFING AND
SURFACING

BIRMINGHAM

THE MAILBOX

Area
1,500m² Walkways

Systems
Triflex BTS-P

Authorised Contractor
Makers Construction

The challenge

Set in the heart of Birmingham City Centre, the Mailbox has a rich and unique history; first opening in 1970 as Birmingham's main Royal Mail sorting office. However, in the late 1990s it was redeveloped to house a combination of upmarket leisure, retail and residential areas, which today offer an indulgent suite of designer fashion stores, opulent restaurants and accommodation, a boutique cinema and health spa as well as 143 residential apartments. This spectacular building has hosted a range of events including fashion shows and a jazz festival, attracting a host of international performers and numerous visits from the Prime Minister.

In May 2013, it was announced that the iconic building would undergo another major renovation, aiming to compliment the large-scale redevelopment of nearby New Street Station. The redevelopment would see that by the end of 2016, the Mailbox would achieve the title of 'The largest mixed use building in the UK'





The solution

As part of the renovation, January 2016 saw the start of a major refurbishment to the walkways of the residential area at the rear of the main Mailbox building. Spread over three levels, it was paramount that the project was completed using a system that would minimize disruption to the residents and provide long term durability.

In theory, the project was a simple refurbishment. However after further on site testing, it was established that the existing substrate encompassed both concrete and timber proving the task to be more challenging than was initially thought; as a consequence, all of the levels to be renovated required a specific, individual solution.

Level 12 included a complete renewal of the timber battens and deck, whilst level 11 only required small remedial repairs. Level 9 presented the biggest challenge as the original membrane was saturated, leading to deterioration in both the compressive and tensile strength of the substrate.

A robust technical solution was required, this came in the form of Triflex BTS-P, a BBA and ETA certified and fully reinforced waterproofing and surfacing system, design for walkways, balconies and terraces over occupied premises. Due to the exceptionally fast curing time of the solvent free Triflex BTS-P, which is trafficable after 60 minutes, and it's totally cold applied installation, Makers Construction Ltd were able to carry out the work efficiently, within the expected time frame and with minimal disruption.

It was essential that the renovation provided a solution that offered the optimum combination of aesthetic and functional requirements. Available in a wide range of colour and finishes, Triflex BTS-P could be fully tailored to meet the requirements of the project, and the residents.

Triflex

Delivering solutions together.

Triflex is the leading European specialist in cold liquid applied resins. Our high-quality systems provide reliable and lasting waterproofing, surfacing, protection and markings for roofs, walkways, balconies, terraces and car parks. We are a family owned and operated company that provides individual solutions worldwide. From our production facilities based in Minden, Germany, we have been researching and developing solutions designed to protect and repair the built environment for more than 40 years.

From our UK headquarters based in Stone, Staffordshire we pride ourselves on providing our clients with tailored solutions and exceptional levels of service and support throughout all stages of their project. From conducting in-depth site surveys, to our comprehensive testing and off-site and on-site support, we ensure that your project is completed on time and to the highest standards. All Triflex solutions are certified to the highest standards and are backed up by long term meaningful warranties ensuring peace of mind.

☎ 01785 819119

🌐 www.triflex.co.uk

✉ info@triflex.co.uk

🌐 Triflex (UK) Ltd

🐦 @TriflexUK

Triflex (UK) Ltd. | Whitebridge Way | Stone | Staffordshire | ST15 8JS

System overview Triflex BTS-P

- Totally cold applied, with no risks from hot works
- Fully reinforced waterproofing membrane
- Durability and long term protection
- Substrate compatibility - including asphalt
- Available in seven surface finishes
- Fully warranted
- Abrasion and impact resistant

Surface finish various options

Waterproof wearing layer

Waterproofing
(single process)

Primer

