



CASE STUDY



MULTI-STOREY CAR PARK
TRINITY SQUARE, NOTTINGHAM

TRINITY SQUARE

Systems

Triflex Deck Floor Anti-Static
System

Authorised Contractor

Mulberry Roofing Supplies Ltd

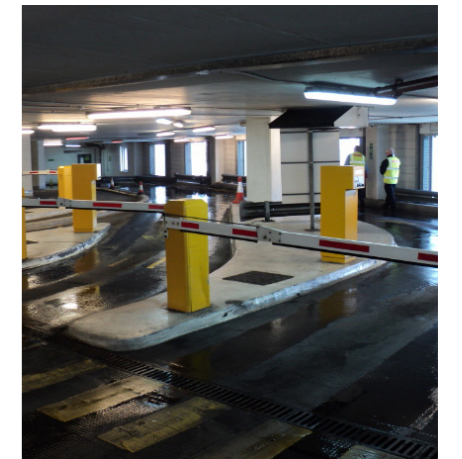
Scope of Work

Overlay of non conductive asphalt
at the entrance area

The challenge

Vehicles rolling along car park surfaces generate an electrostatic charge. In the majority of cases, this electrostatic charge will dissipate quickly, however in certain cases, where the car park surface has high electrical resistance, such as traditional asphalt build-ups, the charge can remain for a period of time. If a driver then touches an earthed metal object (e.g. ticket machine), they can receive a static electric shock.

As moisture helps to avoid a static charge building and accelerates dissipation, the car park operators at Trinity Square had previously used a perforated hosepipe at the top of the ramp, to drip water down the incline. This method is relatively common but can create slip resistance and water ingress issues below.





The solution

The system specified to solve this problem was Triflex DeckFloor Anti-Static, a conductive waterproofing and surfacing system.

Following preparation of the substrate, a copper pad was adhered to the asphalt to the entrance area, with the earth wire installed into newly cut chases in the kerb. The totally cold applied Triflex Ceryl Paste was used to seal the chase and protect the cable.

Work then started to apply the Triflex DeckFloor Anti-Static system; the surface was primed using Triflex specialist conductive primer, followed by the application of a conductive resin, conductive aggregate, and conductive finish. The totally waterproof system is anti-skid, while, most importantly, effectively dissipating any static charge build-up.

The entire system is totally cold applied, which ensured no risk of fire during application. Due to the exceptionally fast curing times of the system, the project was completed overnight, which minimised disruption to the busy city centre car park.

Triflex DeckFloor Anti-Static has been successful in solving the issue with static charge build up encountered at Trinity Square Car Park and numerous other car parks, resulting in a significant improvement to user experience.

Triflex

Delivering solutions together.

Triflex is the leading European specialist in liquid waterproofing solutions. Our high-quality systems provide reliable and lasting waterproofing for roofs, balconies and parking decks. 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 our clients structures for more than 40 years.

In the UK we pride ourselves on providing our clients with tailored solutions and exceptional levels of service & 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 your project is completed on time and to the highest standards. All Triflex solutions are certified to the relevant UK & European standards and are accompanied with long term warranties to provide peace of mind.

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System benefits

Triflex DeckFloor Anti-Static System

- Effectively dissipates electrostatic charge build up
- Anti-static resin technology
- Totally waterproof
- Exceptional durability
- Exceptionally rapid curing even at low temperatures
- Highly abrasion and impact resistant
- Resistant to: de-icing salts, petrol, diesel, battery acid etc
- Totally cold applied

