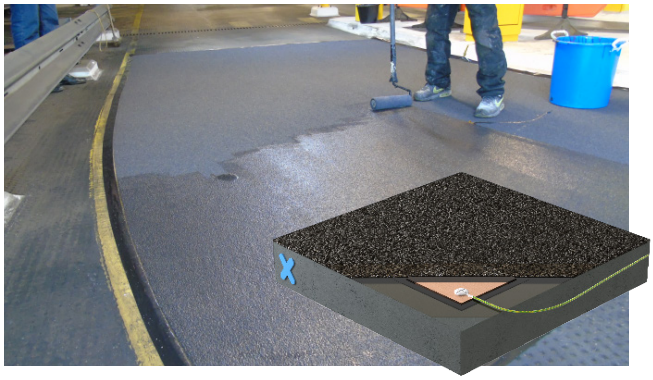
System overview

Triflex DeckFloor Anti-Static

Partially reinforced waterproofing and surfacing system for internal and external decks with anti-static properties

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 such as a ticket machine, they can receive a static electric shock. Triflex DeckFloor Anti-Static is a specialist waterproofing and surfacing solution that eliminates this issue. The system combines unique conductive waterproofing resin technology with a earthed copper pad to effectively dissipate any electrostatic charge build-up. Used successfully in problem car parks across the UK, the solution improves user experience while still providing our industry leading waterproofing and surfacing protection.



System highlights

Effectively dissipates electrostatic charge

Featuring resins with unique conductive properties to dissipate charge to an earthed copper pad, we deliver a totally waterproof solution that solves issues with static charge build-up and eliminates static electric shocks.

Tough and durable protection

The demands of even the highest trafficked, highest space change rate car parks are no issue for the highly traffic, impact and load resistant wearing layer and durable surface finish used in the Triflex DeckFloor system. The system is unaffected by ponding water and is resistant to chlorides (road salts), carbon dioxide ingress, petrol, diesel, brake fluid, engine oil, battery acid, and de-icing and cleaning products. Protection that's built to last, with a low lifecycle cost.

Dynamic crack bridging, locally reinforced waterproofing

Even high risk areas pose no problem for this hard wearing solution, as the system incorporates a fully reinforced, localised waterproofing membrane designed specifically to accommodate movement and cracking within parking structures.

Asphalt overlay

Historically many car parks have been protected with traditional asphalt coverings which over time will fail. With more than 30 years experience of directly overlaying in excess of 1.5 million m2 of failed asphalt car parks, Triflex are the industry leaders and Triflex DeckFloor is the industry leading solution for exposed asphalt car parks over parking and internal asphalt decks over occupied premises. In fact, whatever the substrate, Triflex can provide an overlay solution that performs and lasts.

Rapid curing, cold applied system

Exceptionally fast curing, Triflex allows car parks to remain open during installation, limiting access restrictions and unnecessary disruptions. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C. Ramps and critical areas can be completed overnight and opened the next morning. Unlike asphalt and traditional materials there is also no risk from hot works during installation.

Anti-skid

The system offers high levels of long-term skid resistance in wet and dry conditions, providing a secure and safe solution for both vehicles and pedestrians.

Application areas

- External car park decks and ramps over parking
- Internal car park decks and ramps over occupied premises and over parking
- Ground bearing car park decks and ramps

Suitable for

- Refurbishment
- New build
- Overlay of existing waterproofing systems
- Overlay of undercover insulated (warm) constructions

Compatible substrates

- Concrete, concrete repair materials and screeds
- Asphalt and polymer modified asphalt
- Existing membranes
- Steel
- Structural plastics
- Timber

Suitable constructions

- Cast in situ concrete
- Permanent formwork with in situ concrete
- Precast concrete planks with or without structural topping
- Precast double tee units with or without structural topping
- Temporary / demountable (steel / galvanised steel / structural plastic / timber) constructions
- Insulated / warm deck build-ups

Approvals

Manufacturer certification

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- ISO 50001 Energy Management

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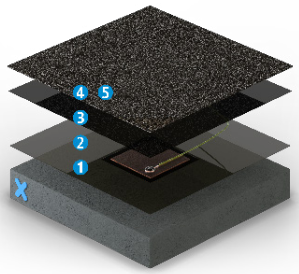
System build-up and consumptions



Layer	Product	Consumption [1]	Aggregate / Broadcast	Overcoat / traffic [2]
❶ Primers	Triflex Cryl Primer 222	0.40Kg/m^2	-	45 minutes
❷ Earthing	Earthed copper pad embedded into Triflex Cryl R 231 EX	-	-	1 hour
❸ Anti-static primer	Triflex Cryl R 231 EX	0.30Kg/m^2	-	1 hour
❹ Anti-static waterproof wearing layer	Triflex DeckFloor EX	3.00Kg/m^2	Electro Corundum: 4.00Kg/m^2	3 hours
❺ Finish	Triflex Cryl Finish 208 EX	1.00Kg/m^2	-	Foot traffic: 2 hours Vehicle traffic: 3 hours

[1] Minimum consumption assuming a smooth, even, non-absorbent substrate.
[2] The times stated are based on +20°C – the times will not be significantly extended at low temperatures.

Primary test data

Anti-skid

Tests carried out wet on new indicative samples in accordance with UKSRG Guidelines (2016):

- With 0.7 - 1.2mm quartz:
  - PTV approx. 75 (Four S rubber / Slider 96)
  - PTV approx. 68 (TRRL rubber / Slider 55)
- With 1.0 - 3.00mm emery:
  - PTV approx. 97 (Four S rubber / Slider 96)
  - PTV approx. 86 (TRRL rubber / Slider 55)

Triflex DeckFloor Anti-Static finish colour

9005 Jet black

Notes: There may be slight variations in shade between actual colours and those shown below. RAL colours are approximate.

Next steps

To ensure a thorough understanding of the construction, the substrate and to determine the most appropriate specification, Triflex carries out free of charge surveys, testing, investigations and analysis prior to preparing a bespoke project specification proposal. To arrange a meeting or site visit please contact Triflex Customer Services.

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