



System overview

Triflex ProPark Service Deck

Triflex ProPark Service Deck is a heavy duty, thick layer, fully reinforced waterproofing and surfacing system for vehicle service decks over occupied premises and high risk service decks subject to significant structural movement and associated cracking. Service decks are subject to weight and shear forces of up to 38 tonnes and the waterproofing can suffer potential damage from tail lifts, compactors, skips, cages etc. The Triflex service deck waterproofing solution combines our fully reinforced asphalt overlay technology with resins designed to be overlaid with a sacrificial wearing course at up to 250°C. The build-up has been proven on high use UK shopping centre service decks for more than 15 years and allows the asphalt to be used solely as a sacrificial wearing layer.



System highlights

Dynamic crack bridging, fully reinforced

Triflex are the car park waterproofing and surfacing experts. Featuring resins with enhanced elastomeric properties and high tensile strength reinforcement fleece, we deliver a totally waterproof solution designed specifically to accommodate movement and cracking within structures.

Tough and durable protection

Exceptional long term durability with a sacrificial wearing layer designed solely to deal with shear forces, impacts and to protect the underlying waterproofing.

Asphalt overlay

Historically many vehicle service decks have been protected with traditional asphalt coverings which over time progressively fail. With more than 30 years experience of directly overlaying in excess of 1.5 million m² of failed asphalt car park environments, Triflex ProPark is the industry-leading solution. In fact, whatever the substrate, Triflex can provide an overlay solution that performs.

Tried and tested

Triflex ProPark Service Deck offers a complete waterproofing solution for new-build and refurbishment projects that will last for years to come. The system is not only certified and tested to the highest UK and European standards, it has also been successfully installed for more than 20 years in projects across the UK.

Rapid curing

Exceptionally fast curing, Triflex enables service decks 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.

Phased completion

Areas can be completed section by section with seamless continuity allowing the service deck to remain open during works.

Safety and environmental

Our solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings, and to minimise environmental impact the majority of the components are supplied in recyclable bulk containers. The system is compatible with virtually all substrates allowing the existing failed or failing membrane to be directly overlaid instead of being removed, significantly reducing waste, time and cost.

Application areas

- Vehicle service decks and ramps over occupied spaces
- High risk vehicle service decks and ramps subject to significant levels of structural movement and cracking

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

Fully certified to the highest UK and European standards and classifications, including:



ETAG 005 certified (reinforced waterproofing membrane)
25 year expected working life



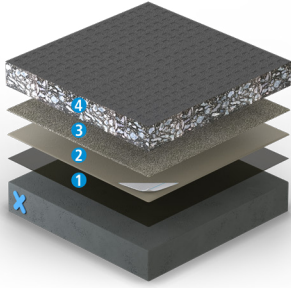
Root and rhizome resistant (reinforced waterproofing membrane):
Certified: Root and rhizome resistant

- Fire performance:
 - EN 13501-1

Manufacturer certification

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

System build-up and consumptions



Layer	Product	Consumption ⁽¹⁾	Aggregate / Broadcast	Overcoat / traffic ⁽²⁾
① Primers	Triflex Cryl Primer 222 / 276 / 287 / 280 White	0.40Kg/m ²	-	45 minutes
② Reinforced waterproofing (single process)	Triflex ProPark reinforced with Triflex 110g Reinforcement	Resin: 3.00Kg/m ² Reinforcement: 1.05m ² /m ²	-	1 hour
③ Waterproof protection layer	Triflex ProPark	1.50Kg/m ²	Quartz: 6.00Kg/m ² approx.	1 hour
④ Finish	Paving mastic asphalt or other asphalt	Minimum 40mm thick	-	-

⁽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.

Triflex ProPark Service Deck resin colour



7030 Pebble grey
Quartz 02

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.

The advice we provide on the application of our products is based on extensive development work as well as many years of experience and is given to the best of our knowledge. However, the wide variety of requirements for a building under the most diverse conditions means that it is necessary for the Contractor to test the product for suitability in any given case. Triflex reserve the right to make alterations in keeping with technical developments or improvements.