

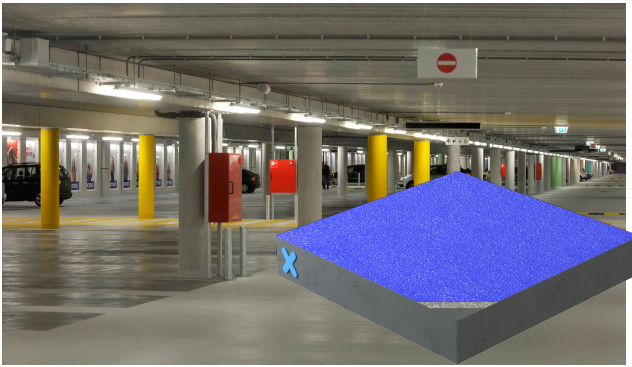


## System overview

# Triflex DeckDefence Epoxy

A cost effective solution for internal concrete decks and ramps above parking and ground bearing decks and ramps

Concrete car park waterproof coating systems often require air movement to cure and in fully enclosed or underground car parks this cannot be achieved without artificial means. Triflex DeckDefence Epoxy utilises solvent free epoxy resin technology that cures without the additional need for ventilation making it ideal for these tricky environments. The waterproof system is available in two variants which are engineered to deal with a wide range of substrate textures, from textured, profiled and uneven decks to smooth, power floated decks, and can optionally include a fully reinforced waterproofing membrane for high risk areas. The durable solution protects decks and ramps from chemicals, chloride contamination and carbon dioxide ingress, satisfies slip resistance requirements and visually improves and enhances the parking environment.



## System highlights

### Designed for the underground environment

Utilising solvent free, heavy duty resin technology, the system is designed for underground and fully enclosed car park environments with no requirement for ventilation.

### Simple installation

Featuring a self priming coating, the system can be applied in a simple, two process application, saving time on site and increasing productivity.

### Ultimate versatility

Available in 2 variants which are specifically engineered to deal with a wide range of substrate textures from smooth, power floated decks to textured, profiled and uneven decks.

### Optional locally reinforced, elastomeric waterproofing membrane

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

### Tough and durable protection

The demands of even highly trafficked, high space change rate car parks are no issue for the aggregate filled wearing course and durable surface finish used in Triflex DeckDefence Epoxy. The system 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.

### Cold applied system

There is no risk from hot works during installation as all of our materials are applied in a totally cold liquid form, curing to create a solution that lasts.

### Anti-skid

High levels of long term skid resistance in wet and dry conditions also provides a secure and safe solution for both vehicles and pedestrians.colour card.

### Versatile design

Available in a wide range of standard and bespoke colours and finishes, Triflex DeckDefence Epoxy enhances aesthetics for maximum visual impact - refer to Triflex colour card.

## Application areas

- Underground concrete car park decks and ramps
- Fully enclosed concrete car park decks and ramps

## Compatible substrates

- Concrete, concrete repair materials and screeds
- Existing membranes

## Suitable constructions

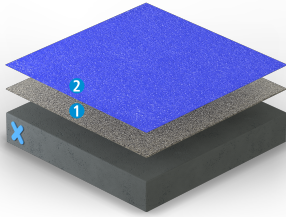
- Cast in situ concrete
- Permanent formwork with in situ concrete
- Precast concrete planks with or without structural topping
- Precast double tee units with or without structural topping
- Ground bearing concrete

## Approvals

### Manufacturer certification

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

## System build-up and consumptions - DeckDefence Epoxy

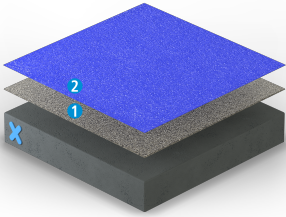


Layer	Product	Consumption <sup>(1)</sup>	Aggregate / Broadcast	Overcoat / traffic <sup>(2)</sup>
① Waterproof coating layer	Triflex Pox Primer 116+ with Triflex DeckDefence Filler	1.50Kg/m <sup>2</sup>	Quartz: 5.00 - 6.00Kg/m <sup>2</sup>	12 hours
② Finish	Triflex Pox Finish 170	0.60Kg/m <sup>2</sup>	-	Foot traffic: 14-18 hours Vehicle traffic: 5 days

<sup>(1)</sup> Minimum consumption assuming a smooth, even, non-absorbent substrate.

<sup>(2)</sup> The times stated are based on +20°C – the times will not be significantly extended at low temperatures.

## System build-up and consumptions - DeckDefence Epoxy Eco



Layer	Product	Consumption <sup>(1)</sup>	Aggregate / Broadcast	Overcoat / traffic <sup>(2)</sup>
① Waterproof coating layer	Triflex Pox Primer 116+	0.40Kg/m <sup>2</sup>	Quartz: 0.4-0.8mm 3.5Kg/m <sup>2</sup> Quartz: 0.4-1.2mm 3.5Kg/m <sup>2</sup>	12 hours
② Finish	Triflex Pox Finish 170	0.50Kg/m <sup>2</sup> - 0.60Kg/m <sup>2</sup>	-	Foot traffic: 14-18 hours Vehicle traffic: 5 days

<sup>(1)</sup> Minimum consumption assuming a smooth, even, non-absorbent substrate.

<sup>(2)</sup> 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 0.4 - 1.2mm quartz:
  - PTV approx. 73 (Four S rubber / Slider 96)
  - PTV approx. 70 (TRRL rubber / Slider 55)
- With 0.4 - 0.8mm quartz:
  - PTV approx. 62 (Four S rubber / Slider 96)
  - PTV approx. 58 (TRRL rubber / Slider 55)

## Colours and finishes

Available in a wide range of colours - refer to Triflex colour card.

## 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.



## System overview

# Triflex DeckDefence Epoxy

**Notes:** There may be slight variations in shade between actual colours and those shown below, texture is indicative only.  
RAL colours are approximate.  
Special colours can be produced to order.

### Triflex DeckDefence Epoxy finish colours



7030 Stone grey  
Quartz 03



7032 Pebble grey



7037 Dusty grey  
Slate 02



7040 Window grey  
Slate 01



7042 Traffic grey A  
Slate 02



7043 Traffic grey  
Slate 02



9010 Pure white  
Sand 01

### RAL Traffic



1023 Traffic yellow



2002 Blood orange



2009 Traffic orange



3020 Traffic red



4002 Red violet



4006 Traffic purple



5017 Traffic blue



6024 Traffic green

### Additional colours

Other and special colours can be produced to order.

Request a sample online at [triflex.co.uk/samplerequest](https://triflex.co.uk/samplerequest)

Find out more at [triflex.co.uk](https://triflex.co.uk)