

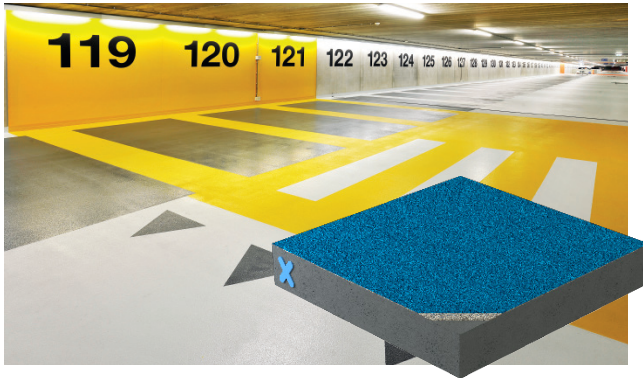


System overview

Triflex DeckDefence

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

Internal concrete decks and ramps over parking or ground bearing concrete decks and ramps are commonplace in UK parking structures and while these areas are generally not exposed to the same environmental influences as external decks, they are more likely to be subject to high levels of chloride contamination and abrasion. Featuring a solvent free epoxy based waterproof coating layer with an exceptionally rapid curing PMMA finish, Triflex DeckDefence is a cost-effective solution that offers the required protection and helps to minimise time on site. 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

Cost effective with fast installation

Combining a self priming waterproof coating layer with a rapid curing PMMA finish, the system offers best value and 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. 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.

Versatile design

Available in a wide range of standard and bespoke colours and finishes, Triflex DeckDefence gives you the ultimate choice in car park design - refer to Triflex colour card.

Application areas

- Internal concrete car park decks and ramps over parking
- Ground bearing concrete car park decks and ramps

Compatible substrates

- Concrete, concrete repair materials and screeds
- Existing membranes

Suitable constructions

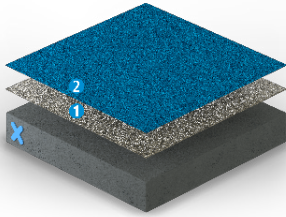
- Cast in situ concrete
- Permanent formwork with in situ concrete
- Precast concrete planks with or without structural topping
- Precast double tee units with or without structural topping
- Ground bearing concrete

Approvals

Manufacturer certification

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

System build-up and consumptions - DeckDefence

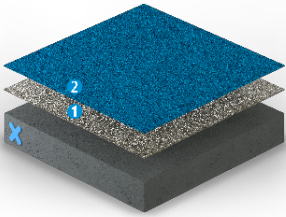


Layer	Product	Consumption ⁽¹⁾	Aggregate / Broadcast	Overcoat / traffic ⁽²⁾
① Waterproof coating layer	Triflex Pox Primer 116+ with Triflex DeckDefence Filler	1.50Kg/m ²	Quartz: 5.00 - 6.00Kg/m ²	12 hours
② Finish	Triflex Ceryl Finish 209	0.50Kg/m ² - 0.60Kg/m ²	-	Foot traffic: 1 hour Vehicle traffic: 2 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.

System build-up and consumptions - DeckDefence Eco



Layer	Product	Consumption ⁽¹⁾	Aggregate / Broadcast	Overcoat / traffic ⁽²⁾
① Waterproof coating layer	Triflex Pox Primer 116+	0.40Kg/m ²	Quartz: 0.4-0.8mm 3.5Kg/m ²	12 hours
② Finish	Triflex Ceryl Finish 209	0.50Kg/m ² - 0.60Kg/m ²	Quartz: 0.4-1.2mm 3.5Kg/m ²	Foot traffic: 1 hour Vehicle traffic: 2 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 0.4 - 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

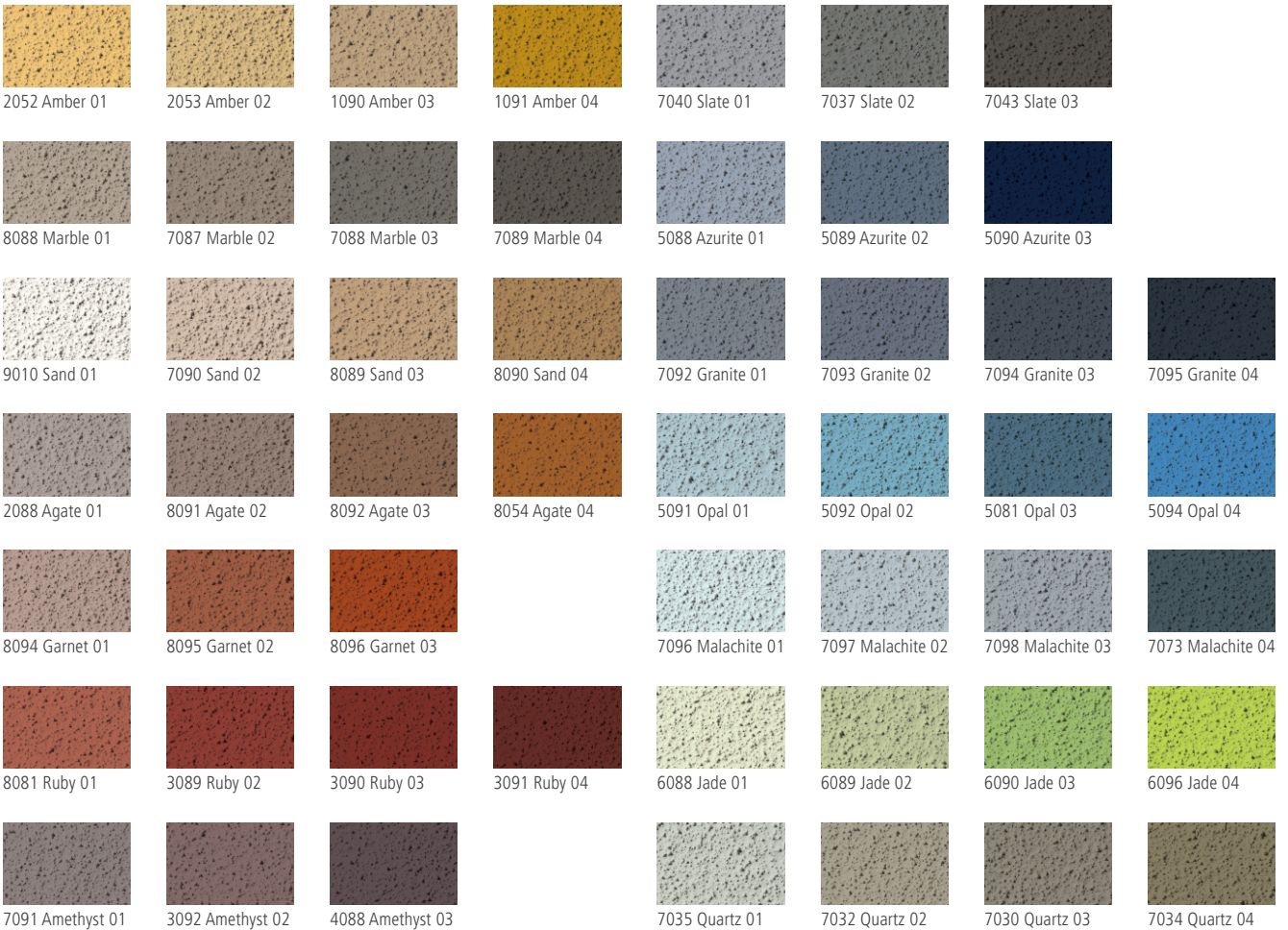
Triflex DeckDefence

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

Triflex DeckDefence finish colours



Triflex DeckDefence finish colours: Additional colours (available on request)



Additional colours

Other and special colours can be produced to order.

Request a sample online at triflex.co.uk/samplerrequest

Find out more at triflex.co.uk