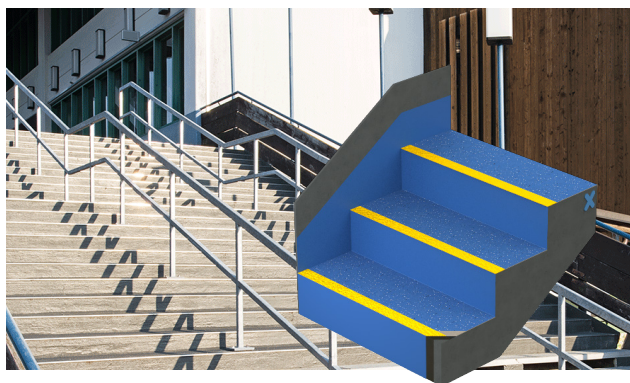


# Triflex StairCoat Reinforced (TSS-R) Chips Design

Fully reinforced system for stairs above occupied spaces

External stairs and stairwells are vulnerable to water, mechanical and chemical damage as they are not only open to the elements but are also susceptible to added downforce pressure from foot traffic, particularly at nosings. It is essential that these areas when over occupied spaces are reliably waterproofed and surfaced with a robust system to protect the integrity of the structure and contents beneath, and to provide a safe and secure environment for users. Featuring a combination of reliable waterproofing, durable surfacing on the treads and proprietary or resin based edge nosings, Triflex StairCoat offers the perfect long term protective solution. The system is ultra fast curing and cold liquid applied, allowing installation to be completed quickly, without the use of hot works, and with minimal impact on users. Triflex Chips Design is one of two unique surface finishes available for Triflex StairCoat, featuring a low maintenance, durable coloured finish and decorative anti-slip chips. With a range of over 50 standard colours, there are countless possibilities available, enabling you to create a tailored solution for your project.



## System highlights

### Dynamic crack bridging, fully reinforced, cold applied system

Triflex lead from the front. Featuring unique resins with enhanced elastomeric properties and high tensile strength fleece reinforcement, we deliver a totally waterproof solution that can accommodate movement and cracking within a structure. There is no risk from hot works during installation as all our materials are applied in a totally cold liquid form, curing to create a solution that lasts.

### Fast curing with rapid installation

Rapid curing and easy to install, Triflex allows buildings to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C.

### Asphalt overlay

Many stairs and stairwells have historically been waterproofed using asphalt which over time will fail. With more than 30 years' experience, Triflex StairCoat is the ideal solution for directly overlaying failing asphalt. In fact, whatever the substrate, we can provide a quick, easy and reliable overlay solution.

### Safety and environmental

Our solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings. The Chips Design finish provides a moderate slip potential when wet in accordance with HSE guidelines. Chips Design is recommended for maintained areas, those which are trafficked infrequently when wet and not for general public access.

### Versatile design

Available in a wide range of standard and bespoke colours, Chips Design can be tailored to create your ideal finish - refer to Triflex colour card.

## Application areas

- External stairs and stairwells over occupied premises
- High risk areas 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
- Steel / galvanised steel / structural plastic / timber constructions

## Approvals

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



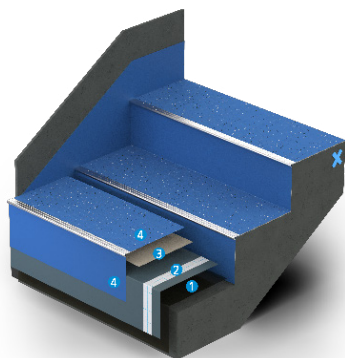
**ETAG 005 certified** (reinforced waterproofing membrane)  
25 year expected working life

- Fire performance:
  - EN ISO-11925-2
  - EN ISO-9239-1
  - 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 <sup>(1)</sup>	Aggregate / Broadcast	Overcoat / traffic <sup>(2)</sup>
1 Primers	Triflex Cryl Primer 222 / 276 / 287 / 280 White	0.40Kg/m <sup>2</sup>	-	45 minutes
2 Reinforced waterproofing (single process)	Triflex ProDetail reinforced with Triflex 110g Reinforcement	Resin: 3.00Kg/m <sup>2</sup> Reinforcement: 1.05m <sup>2</sup> /m <sup>2</sup>	-	1 hour
3 Waterproof surfacing layer (treads only)	Triflex ProFloor	4.00Kg/m <sup>2</sup>	-	1 hour
4 Finish	Triflex Cryl Finish 205	0.50kg/m <sup>2</sup>	Triflex MicroChips: 0.05Kg/m <sup>2</sup>	1 hour

<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). Based on HSE and UKSRG guidance a surface with a PTV of 36+ is classified as having a low slip potential.

- PTV approx. 39 (Four S rubber / Slider 96)
- PTV approx. 35 (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.

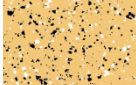
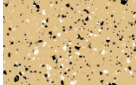
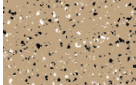
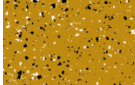
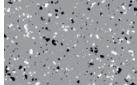
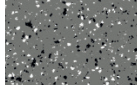
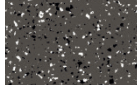
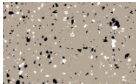
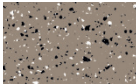
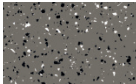
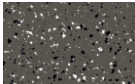
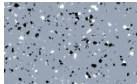
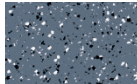
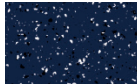
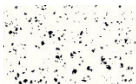
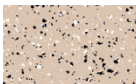
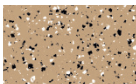
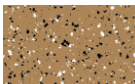
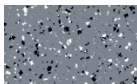
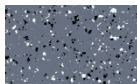


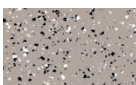
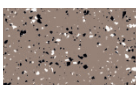
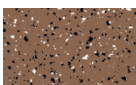
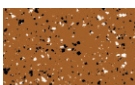
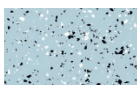
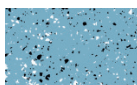
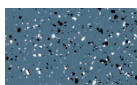
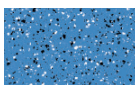
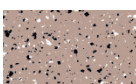
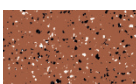
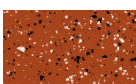
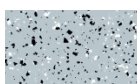
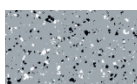
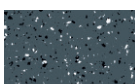
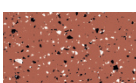
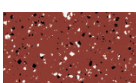
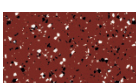
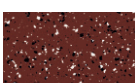
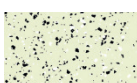
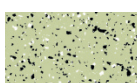
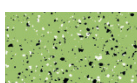

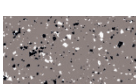
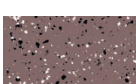
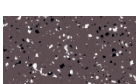
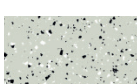
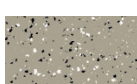
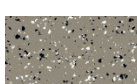
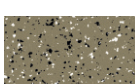


Colour card

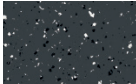
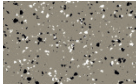
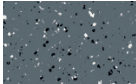
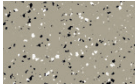
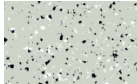
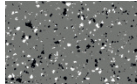
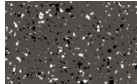
# Triflex StairCoat Reinforced Chips Design (TSS-R)

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



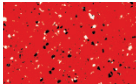
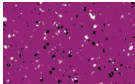
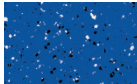
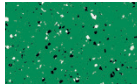
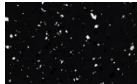
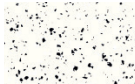
## Optional finish colours: Triflex colours

							
2052 Amber 01	2053 Amber 02	1090 Amber 03	1091 Amber 04	7040 Slate 01	7037 Slate 02	7043 Slate 03	
							
8088 Marble 01	7087 Marble 02	7088 Marble 03	7089 Marble 04	5088 Azurite 01	5089 Azurite 02	5090 Azurite 03	
							
9010 Sand 01	7090 Sand 02	8089 Sand 03	8090 Sand 04	7092 Granite 01	7093 Granite 02	7094 Granite 03	7095 Granite 04
							
2088 Agate 01	8091 Agate 02	8092 Agate 03	8054 Agate 04	5091 Opal 01	5092 Opal 02	5081 Opal 03	5094 Opal 04
							
8094 Garnet 01	8095 Garnet 02	8096 Garnet 03		7097 Malachite 02	7098 Malachite 03	7073 Malachite 04	
							
8081 Ruby 01	3089 Ruby 02	3090 Ruby 03	3091 Ruby 04	6088 Jade 01	6089 Jade 02	6090 Jade 03	6091 Jade 04
							
7091 Amethyst 01	3092 Amethyst 02	4088 Amethyst 03		7035 Quartz 01	7032 Quartz 02	7030 Quartz 03	7034 Quartz 04

## RAL Greys

							
7016 Anthracite grey	7030 Stone grey Quartz 03	7031 Blue grey	7032 Pebble grey Quartz 02	7035 Light grey Quartz 01	7037 Dusty grey Slate 02	7043 Traffic grey 2 Slate 03	

## RAL Traffic

							
1023 Traffic yellow	2009 Traffic orange	3020 Traffic red	4006 Traffic purple	5017 Traffic blue	6024 Traffic green	9005 Jet black	9010 Pure white

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

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