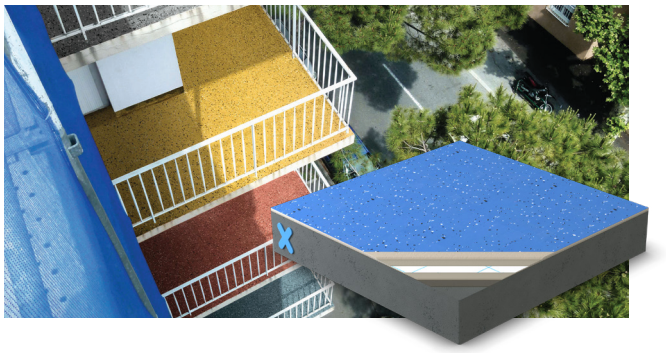
System overview

Triflex ProTerra (BTS-P) Chips Design

Designed to waterproof and surface walkways, balconies and terraces over occupied premises

Walkways, balconies and terraces over occupied space need to be reliably waterproofed to protect the structure and contents beneath, but also need to look good and be functional. The BBA certified Triflex ProTerra is the perfect answer, providing a combination of reliable, long term waterproofing, highly durable surfacing and attractive design. 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 four unique surface finishes available for Triflex ProTerra, featuring a low maintenance, 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 an ETA certified waterproofing membrane with unique resins with enhanced elastomeric properties and high tensile strength reinforcement, Triflex ProTerra delivers a totally waterproof solution that can accommodate movement and cracking within the structure. There is no risk from hot works during installation as all Triflex 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 systems allow buildings to remain fully occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life. Installation can be carried around all year round and the system still cures quickly at temperatures down to 0°C.

Low maintenance and attractive

Easy to clean and maintain, Chips Design offers an attractive and low maintenance finish guaranteed to make an impression.

Effective protection

Triflex ProTerra Chips Design is designed to withstand the demands of the walkway, balcony and terrace environment. The system is resistant to chlorides (salts), carbon dioxide ingress, and approved de-icing and cleaning products. Protection that's built to last, with a low lifecycle cost.

Asphalt overlay

Many balconies, walkways and terraces have historically been waterproofed using asphalt which over time will fail. Triflex has more than 30 years' experience of asphalt overlay in the UK and Triflex ProTerra is the ideal solution for directly overlaying failing asphalt to trafficked areas over occupied premises. 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 less frequently 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 balcony or terrace. Compatible with Creative Design, to create a truly unique finish with tile effects, motifs, borders, logos and more.

Application areas

- External walkways, balconies, terraces, pedestrian bridges and other pedestrian trafficked areas over occupied premises
- High risk areas subject to significant levels of structural movement and cracking

Application areas

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

Compatible substrates

- Asphalt and polymer modified asphalt
- Concrete, concrete repair materials and screeds
- 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
- Insulated / warm deck build-ups

Approvals

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

BBA certified - Certificate 13/5051 Product sheet 3
Durability: Under normal service conditions the system will have a service life of at least 15 years

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

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

- Fire performance:
  - EN ISO-11925-2
  - EN ISO-9239-1
  - EN 13501-1
- NHBC accepted

Manufacturer certification

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

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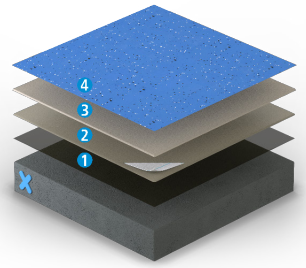
System build-up and consumptions



Layer	Product	Consumption [1]	Aggregate / Broadcast	Overcoat / traffic [2]
❶ Primers	Triflex Cryl Primer 222 / 276 / 287 / 280 White	0.40Kg/m²	-	45 minutes
❷ Reinforced waterproofing (single process)	Triflex ProTerra reinforced with Triflex 110g Reinforcement	Resin: 3.00Kg/m² Reinforcement:1.05m²/m²	-	1 hour
❸ Waterproof surfacing layer	Triflex ProFloor RS	4.00Kg/m²	-	1 hour
❹ Finish	Triflex Cryl Finish 205	0.50Kg/m²	Triflex MicroChips: 0.05Kg/m²	1 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 (2011). 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 colour mixes - 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.

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Colour card

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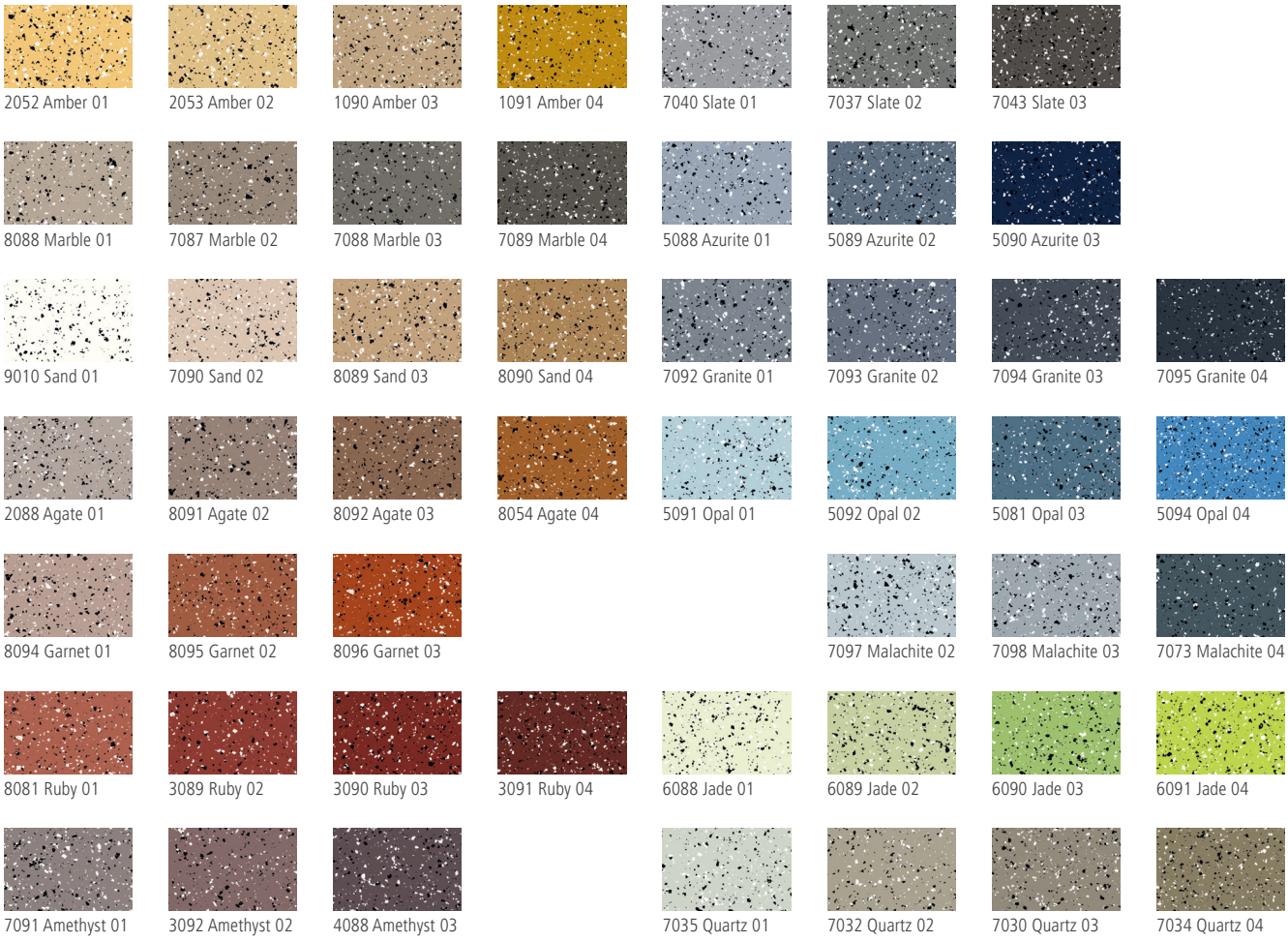
Notes: There may be slight variations in shade between actual colours and those shown below.
RAL colours are approximate.
Special colours can be produced to order.

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

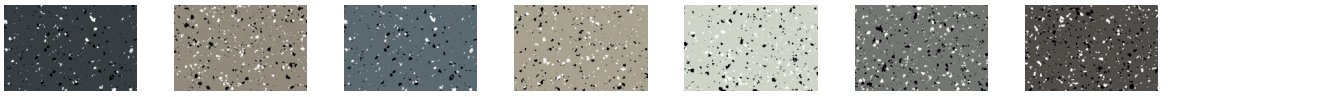
2088 Agate 01 | 8091 Agate 02 | 8092 Agate 03 | 8054 Agate 04 | 5091 Opal 01 | 5092 Opal 02 | 5081 Opal 03 | 5094 Opal 04

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/samplerequest

Find out more at triflex.co.uk

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