



## System overview

# Triflex ProTerra Stone Design

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

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 Stone Design is one of four unique surface finishes available for Triflex ProTerra and features attractive Italian marble in a durable, UV resistant resin. With a choice of colours, Stone Design creates an exclusive, high quality finish which ever you choose.



## 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.

### Low maintenance and attractive

Easy to clean and maintain, Stone Design offers a low maintenance finish bound to impress.

### Tough and durable protection

The heavy duty aggregate filled wearing layer in Triflex ProTerra Stone Design is designed to withstand the demands of the balcony and terrace environment. Protection that's built to last, with a low lifecycle cost.

### Asphalt overlay

Many balconies and terraces have historically been waterproofed using asphalt which over time will fail. Triflex has more than 35 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.

### Versatile design

Stone Design is available in a variety of Italian marble, giving your outdoor space an exclusive, high end finish.

## Application areas

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

## Suitable for

- 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 waterproofing 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):

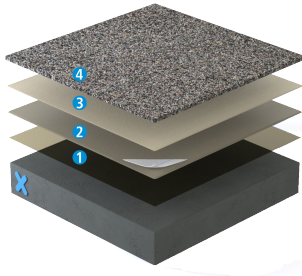
FLL Certified: Root and rhizome resistant

- 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

## 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 ProTerra 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 Embedment layer	Triflex Cryl Finish 205	0.50Kg/m <sup>2</sup>	Quartz 0.3 - 0.6mm: 2.00Kg/m <sup>2</sup> approx.	1 hour
④ Surface layer	Triflex Stone Design	Resin: 0.80Kg/m <sup>2</sup> Stone: 14.40Kg/m <sup>2</sup>	-	36 hours

<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 for all components except Triflex Stone Design will not be significantly extended at low temperatures.

Upstands	Product	Consumption <sup>(1)</sup>	Aggregate / Broadcast	Overcoat / traffic <sup>(2)</sup>
Primers	Triflex Cryl Primer 222 / 276 / 287 / 280 White	0.40Kg/m <sup>2</sup>	-	45 minutes
Surface layer	Triflex Stone Design S	Resin: 1.3Kg/m <sup>2</sup> Thixo SD: 0.125Kg/m <sup>2</sup> Stone: 12.5Kg/m <sup>2</sup>	-	36 hours

## Stone Design finish options

### Small Italian marble



S100 | Giallo Sienna



S200 | Breccia Pernice



S300 | Rosso Verona



S800 | Marrone



S700 | Bardiglio



S900 | Ice Blue

## 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.

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)