



## System overview

# Triflex ProFloor Stone Design

Partially reinforced system for use on cantilevered structures and over unoccupied spaces

It is essential that cantilevered balconies and terraces are fully waterproofed and protected from water, mechanical and chemical damage to maintain the long term integrity of the structure but they also need to look good and be functional. Triflex ProFloor is the perfect solution, providing a combination of reliable, long term waterproofing, highly durable surfacing and attractive design. The system is 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 ProFloor 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

### 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.

### Dynamic crack bridging, locally reinforced waterproofing

Even high risk areas and details pose no problem, as the system incorporates an ETA certified fully reinforced waterproofing membrane locally to accommodate movement within the structure.

### Low maintenance and attractive

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

### Cold applied system

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 occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life.

### 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 ProFloor is the ideal solution for directly overlaying failing asphalt to trafficked areas. 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 cantilevered balconies, terraces, pedestrian bridges and other pedestrian trafficked areas
- External balconies, terraces, pedestrian bridges and other pedestrian trafficked areas over open or unoccupied space

## Suitable for

- Refurbishment
- New build
- Overlay of existing failed waterproofing systems

## 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

## Approvals

Certified to UK and European standards and classifications, including:

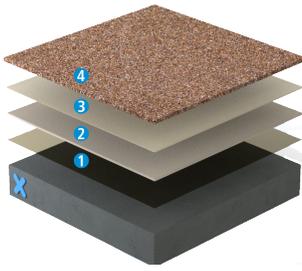
**ETA** ETAG 005 certified (localised reinforced waterproofing membrane - Triflex ProTerra)

- 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 Waterproof surfacing layer	Triflex ProFloor	4.00Kg/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)