

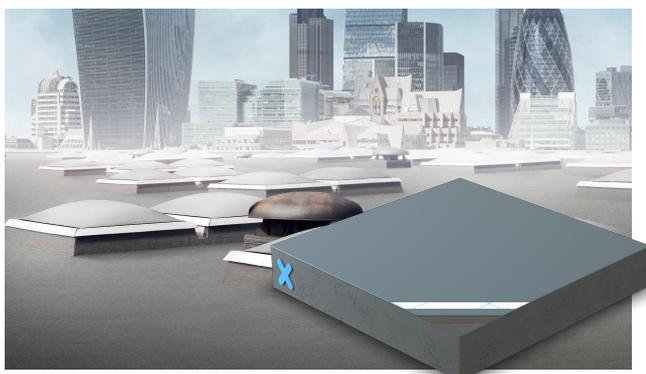


## System overview

# Triflex ProTect®

A rapid curing, reinforced system suitable for waterproofing all roof constructions

The most important part of any roof is the waterproofing system, without an effective and long lasting solution the building is vulnerable to water ingress which is not only hazardous to occupants and its contents but also risks damaging the entire structure. Triflex ProTect is a versatile and durable roof waterproofing solution suitable for both refurbishment and new-build, and is compatible with almost all roof build-ups and existing substrates, including single ply. Even tricky applications such as zero pitch roofs and areas that are subject to standing or ponding water pose no problem as the system does not break down under water. It is ultra fast curing and cold liquid applied, allowing installation to be completed quickly, without the use of hot works and at any time of year. With a proven track record and the highest levels of certification and testing, Triflex ProTect sets the standard for roof waterproofing.



## System highlights

### Versatility and compatibility

Whether for refurbishment or new-build, Triflex ProTect is suitable for virtually all roofing applications. The significant costs, risks and disruption associated with removal of the existing membrane can be eliminated as the system is compatible with and can be used to overlay almost all roof substrates. Even failed single ply and other membranes such as EPDM can be overlaid. Roof waterproofing made easy.

### Cold applied, rapid installation, fast curing and self-terminating

Rapid curing and easy to install, Triflex allows buildings to remain fully occupied during installation, limiting access restrictions and unnecessary disruptions to everyday activities. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C. Being rainproof in just 30 minutes weather windows can be maximised and down time minimised. There is also 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. Additionally, there is no need for termination bars as the system self-terminates.

### Single process application

Installation time and costs are significantly reduced when compared to multi-coat, typically solvent based systems. The single process application also eliminates the risks of inter-layer adhesion issues.

### Fully reinforced technology

The unique, highly flexible Triflex ProTect resin is used with a special high tensile strength polyester fleece to ensure that high levels of movement and cracking within the structure and between substrates can be accommodated. Proven fully reinforced waterproofing technology that stands the test of time.

### Tough and durable protection

The standard Triflex ProTect system is designed to withstand foot traffic and provides exceptional puncture resistance when compared to many alternative materials. With the option to include a heavy duty wearing layer, even the most heavily trafficked industrial roofs can be securely waterproofed and protected from damage.

### Colours and finishes

Create a design to meet your aesthetic or safety requirements with a wide range of colours and three optional finishes.

## Application areas

- Refurbishment
- New build
- Overlay of existing failed waterproofing systems
- Zero pitch / completely flat roofs
- Warm roofs (all insulation types)
- Inverted roofs
- Podium / plaza decks
- Buried membrane roofs
- Submerged waterproofing
- Green roofs
- Brown roofs
- Blue roofs
- Bunds / storage tanks / silos / plant rooms

## Compatible substrates

- Felt
- Asphalt
- Bitumen
- Single-ply membranes
- Cementitious materials (concrete, brickwork, masonry)
- Metals and coated metals
- Plastics
- Coatings (e.g. polyurethane, polyurea, polymethyl methacrylate)
- Glass
- Timber

## Approvals

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



**BBA certified** - Certificate 13/5051 Product sheet 1 Durability: Under normal service conditions the system will provide a durable roof waterproofing with a service life in excess of 25 years



**ETAG 005 certified**  
Highest classification in all criteria including W3 – 25 year durability



**UKTA certified**  
UKTA-0836-22/6228 of 03/11/2022



**EN 1504-2 certified**  
B4.2 (-20°C) dynamic crack bridging



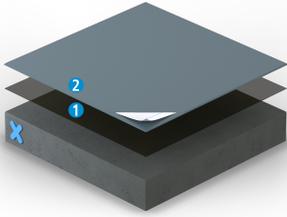
**Root and rhizome resistant**  
FLL Certified: Root and rhizome resistant  
EN 13948: Resistant to root penetration

- Fire performance:
  - BS 476-3 (EXT.FAA)
  - EN 13501-5: Class BROOF (t1) / (t2) / (t3) / (t4)
  - EN 13501-1: Class E
- NHBC accepted

### Manufacturer certification

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

## System build-up and consumptions



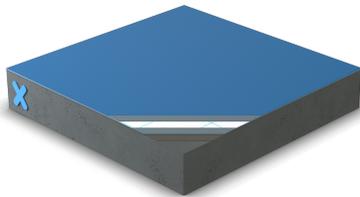
Layer	Product	Consumption <sup>(1)</sup>	Aggregate / Broadcast	Overcoat / traffic <sup>(2)</sup>
<b>1 Primers (if required)</b>	Triflex Ceryl Primer 222 / 276	0.40Kg/m <sup>2</sup>	-	45 minutes
	Triflex Primer 610	0.06L/m <sup>2</sup>	-	20 minutes
	Triflex Metal Primer	0.08 - 0.10L/m <sup>2</sup>	-	30 minutes (spray) 60 minutes (mohair roller / brush)
	Triflex Glass Primer	0.05L/m <sup>2</sup>	-	20 minutes
<b>2 Reinforced waterproofing (single process)</b>	Triflex ProTect reinforced with Triflex 110g Reinforcement	Resin: 3.00Kg/m <sup>2</sup> Reinforcement: 1.05m <sup>2</sup> /m <sup>2</sup>	-	45 minutes
<b>Optional finishes</b>				
<b>Coloured finish</b>	Triflex Ceryl Finish 205	0.50Kg/m <sup>2</sup>	-	1 hour
<b>Anti-skid finish</b>	Triflex Ceryl Finish 205	0.35Kg/m <sup>2</sup>	Anti-skid granules: 6%	1 hour
<b>Heavy duty finish</b>	Triflex ProTect	1.50Kg/m <sup>2</sup>	Quartz 0.7 - 1.2mm: 6.00Kg/m <sup>2</sup>	1 hour
	Triflex Ceryl Finish 205	0.60Kg/m <sup>2</sup>	-	Foot traffic: 1 hour Withstand stress: 2 hours

<sup>(1)</sup> Minimum consumption assuming a smooth, even, non-absorbent substrate.

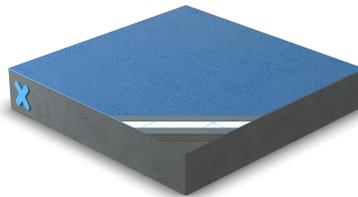
<sup>(2)</sup> The times stated are based on +20°C – the times will not be significantly extended at low temperatures.

## Optional finishes

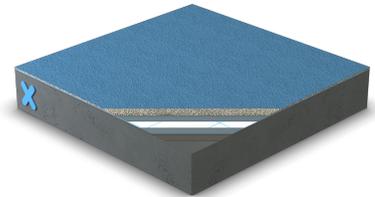
### Coloured



### Anti-skid



### Heavy duty



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 ProTect®

**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.

## Triflex ProTect resin colours



## Optional finish colours: Greys



## Optional finish colours: RAL Traffic



## Optional finish colours: Triflex colours



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

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