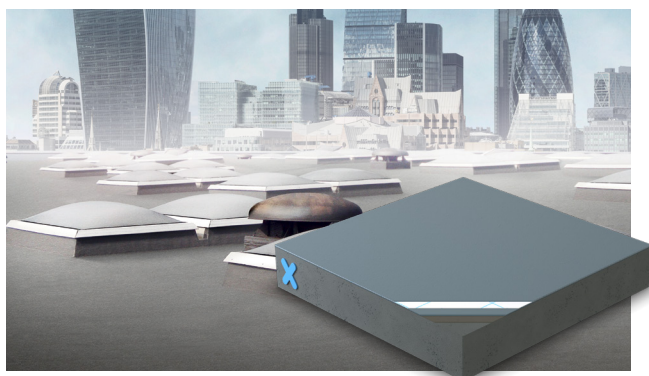


System overview

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



EN 1504-2 certified

B4.2 (-20°C) dynamic crack bridging



Root and rhizome resistant

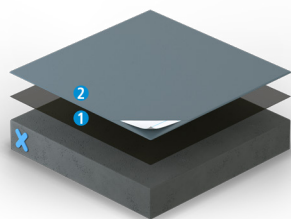
FLL Certified: Root and rhizome resistant
EN 13948: Resistant to root penetration

- 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



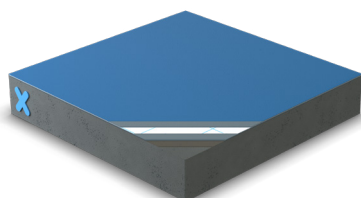
Layer	Product	Consumption ⁽¹⁾	Aggregate / Broadcast	Overcoat / traffic ⁽²⁾
① Primers (if required)	Triflex Cryl Primer 222 / 276	0.40Kg/m ²	-	45 minutes
	Triflex Primer 610	0.06L/m ²	-	20 minutes
	Triflex Metal Primer	0.08 - 0.10L/m ²	-	30 minutes (spray) 60 minutes (mohair roller / brush)
	Triflex Glass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

⁽¹⁾ Minimum consumption assuming a smooth, even, non-absorbent substrate.

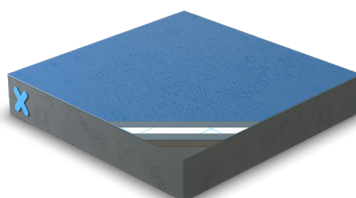
⁽²⁾ The times stated are based on +20°C – the times will not be significantly extended at low temperatures.

Optional finishes

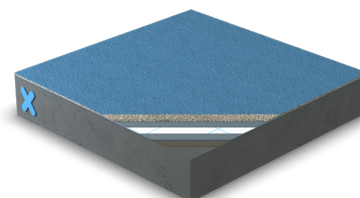
Coloured



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

				
7031 Blue grey	7032 Pebble grey Quartz 02	7035 Quartz 01 Light grey	7043 Traffic grey 2 Slate 03	9010 Pure white Sand 01

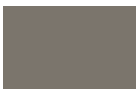
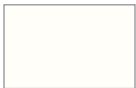
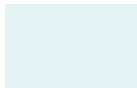
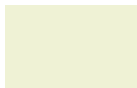
Optional finish colours: Greys

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

Optional finish colours: 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 Sand 01

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		7096 Malachite 01	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

Request a sample online at triflex.co.uk/samplerequest

Find out more at triflex.co.uk