

Cold liquid applied walkway, balcony and terrace waterproofing and surfacing systems

**Let's head outside**





Triflex solutions for walkways, balconies and terraces

# Simply impressive

Balconies, roof terraces and walkways are constantly exposed to the elements with differing demands placed on them due to environmental, exposure, traffic and loads. Details including balustrades and thresholds are particularly susceptible to water ingress. For that reason, outdoor surfaces need a robust and durable waterproofing and surfacing system to maintain the long term integrity of the structure.

Triflex offer solutions to handle even the most demanding of challenges with ease. Our high-quality products, 40 years of experience and know-how, together with our comprehensive and expert service, make Triflex the partner to turn to when it comes to finding a premium waterproofing and surfacing system. Discover for yourself our service, our solutions and the proven reliability of Triflex.



Triflex system strengths

## Advantages, at a glance

### Sophisticated waterproofing and surfacing

Triflex offer a wide range of sophisticated, cold liquid applied, solvent free waterproofing and surfacing systems to deal with all walkway, balcony and terrace applications. Our fast curing systems are based on the most advanced polymer chemistry and deliver technical excellence with an exceptional range of colour, texture and design options.

### Versatile solutions

Designed for use on all structures ranging from public access walkways and stairs to balconies and terraces. Our waterproofing and surfacing solutions are compatible with virtually all substrates making them an ideal overlay solution, and with fast track installation and rapid cure times, works can be completed with minimal disruption and impact on users.

### Design and aesthetics

Our systems allow walkways, balconies and terraces to become an extension of the internal living environment. Colour and design are important to us in our homes and gardens, but are often overlooked when considering walkways, balconies and terraces. Triflex systems are available in over 50 standard colours with the option of 4 surface finishes in different textures, allowing you to tailor the design of your project.

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#### Unbeatable versatility.

New build or refurbishment, with or without insulation, non-slip finishes, ramps, stairs, substrates at risk of cracking and much more. Triflex systems are ideal for overlaying many existing substrates found on walkways, balconies and terraces, including asphalt, allowing for quick and easy installation.



#### Extremely durable.

Triflex solutions are approved to the highest levels including BBA and ETA certification. Our solutions have performed successfully in long term practical use, with all systems demonstrating proven performance that lasts.



#### Waterproof down to the smallest detail.

Penetrations, joints, details, structural movement, Triflex solutions come into their own when handling complicated details. The flexible liquid resins together with full or partial fleece reinforcement ensure durable and seamless waterproofing.

Certified  
Specified  
Tested  
Supported



TRIFLEX  
QUALITY

#### Exceptional quality

With Triflex systems you have complete peace of mind whatever the application. At Triflex, we regard continuous internal and external quality controls in development and production with extensive field tests as essential.

## Asphalt overlay

Many balconies, walkways 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. In fact, whatever the substrate, our systems will provide you with a quick, easy and reliable overlay solution.

## Fire performance

Whether you are specifying waterproofing for areas that serve as a means of escape, or walkways and terraces over occupied spaces, we have systems that deliver peace of mind. The Triflex ProTerra Quartz Design with large grain quartz, achieves EN 13501-5 : B<sub>ROOF</sub>(t4), as well as providing high levels of anti-skid. For those areas with overburdens, coverings or in buried and inverted build-ups, it's good to know that the Triflex ProTerra reinforced waterproofing membrane achieves EN 13501-5 : B<sub>ROOF</sub>(t4) too.





Through a combination of continuous research and development, state of the art production facilities and extensive field tests, with Triflex systems you can be sure you have a certified solution that provides lasting integrity:

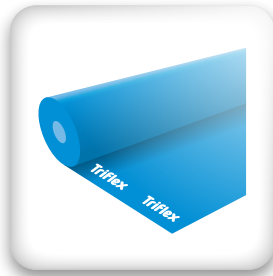
- BBA certified systems with a service life in excess of 15 years
- Highest possible categories per ETAG 005 for reinforced membranes (W3 - 25 year durability)
- EN 1504-2 certified systems
- NHBC accepted
- Specified Triflex systems fully warranted
- Triflex ProTerra Quartz Design with large grain quartz achieves EN 13501-5 : B<sub>ROOF</sub>(t4)
- Triflex ProTerra reinforced waterproofing membrane achieves EN 13501-5 : B<sub>ROOF</sub>(t4)



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## Walkways, balconies and terraces



### Fully reinforced options

Allows Triflex systems to accommodate movement within the structure.



### Low thresholds

Ideally suited to applications with low thresholds.



### Additional coverings

Durable waterproofing ideally suited for use below a wide range of coverings such as tiles, pavers and decking.



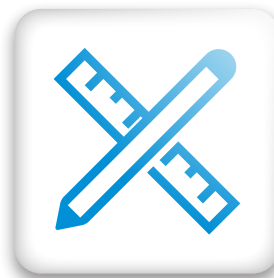
### Swift refurbishment

Allows complete refurbishment in as little as a day. Extensive substrate compatibility makes Triflex systems ideally suited to overlay, saving time on-site.



### Protection

The demands of the walkway, balcony and terrace environment are no match for the strength and durability of Triflex.



### Design freedom

With more than 50 finish colours, a bespoke colour matching surface, 4 finish options and Triflex Creative Design, the only limit is your imagination.



### Detail protection

Triflex systems come into their own when protecting complex details, penetrations and joints.



### No hot works

Flame free installation, with B<sub>ROOF</sub>(t4) ratings for the Triflex ProTerra reinforced waterproofing membrane and Quartz Design - large grain quartz system.



### Effective anti-slip protection

Our wear resistant finish options provide increased anti-slip protection.



### Critical path method

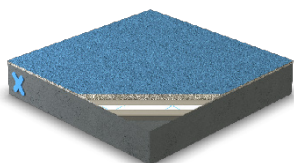
Triflex systems are perfectly suited to new build applications. With no need for boilers or other bulky equipment, other trades can maintain access, helping to keep projects on schedule.



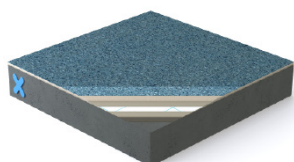
Triflex surface finishes

## 4 finishes to create a unique design

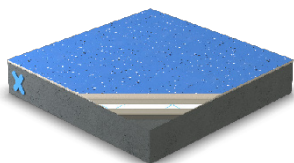
Whether you are looking for a high quality finish, a low slip potential, a tailored design or all of the above, our finish options and range of over 50 standard colours can help you to customise the Triflex system to your needs. There are countless possibilities available, enabling you to create a truly unique solution.



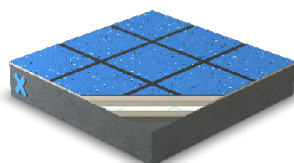
**Triflex Quartz Design** is our most popular finish. Combining a high quality anti-skid quartz with a durable coloured finish. Choose from 4 quartz sizes and over 50 standard colours. The large grain quartz variant achieves EN 13501-5 : B<sub>ROOF</sub>(t4).



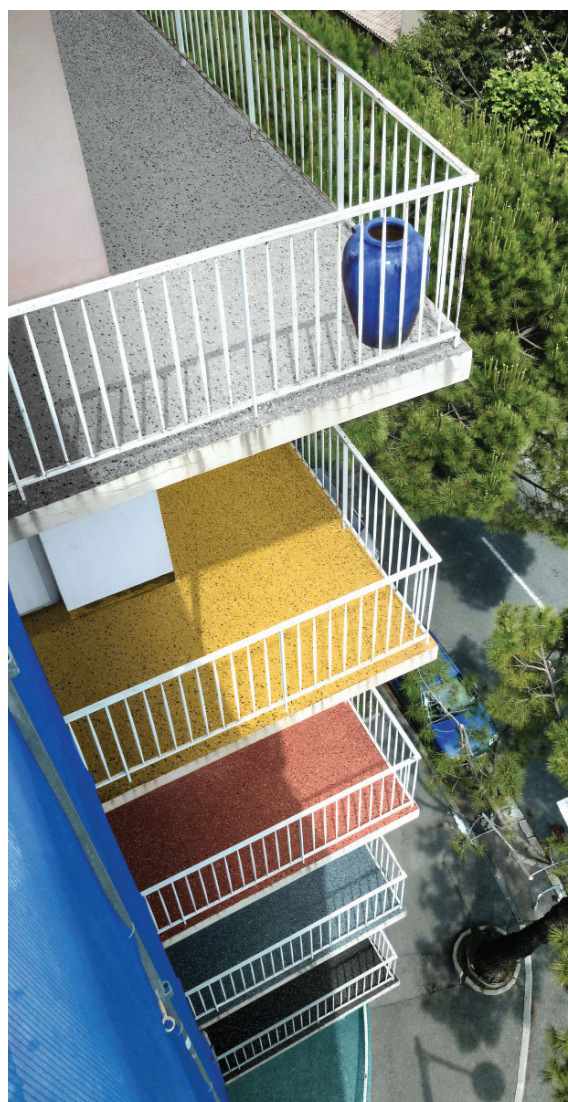
**Triflex Colour Design** is a coloured surface dressing available in eight distinct colour mixes, resulting in beautiful, low maintenance flooring.



**Triflex Chips Design** is a combination of decorative anti-slip chips, and a choice of more than 50 different colours. Providing a low maintenance finish for years to come.



**Triflex Creative Design** can be used in conjunction with the Colour Design or Chips Design finish options. Allowing the creation of tile effects, motifs, borders and much more.

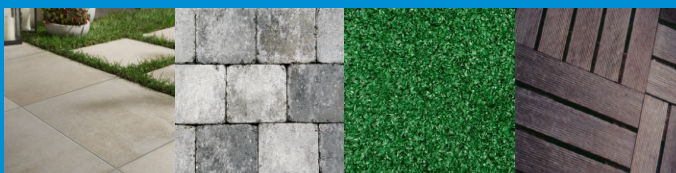


Additional possibilities

### Even more choice

In addition to our range of finish options and colours, Triflex ProTerra Buried is designed to be used with other coverings, including:

- Tiles
- Paving
- Decking
- Artificial grass
- and much more...

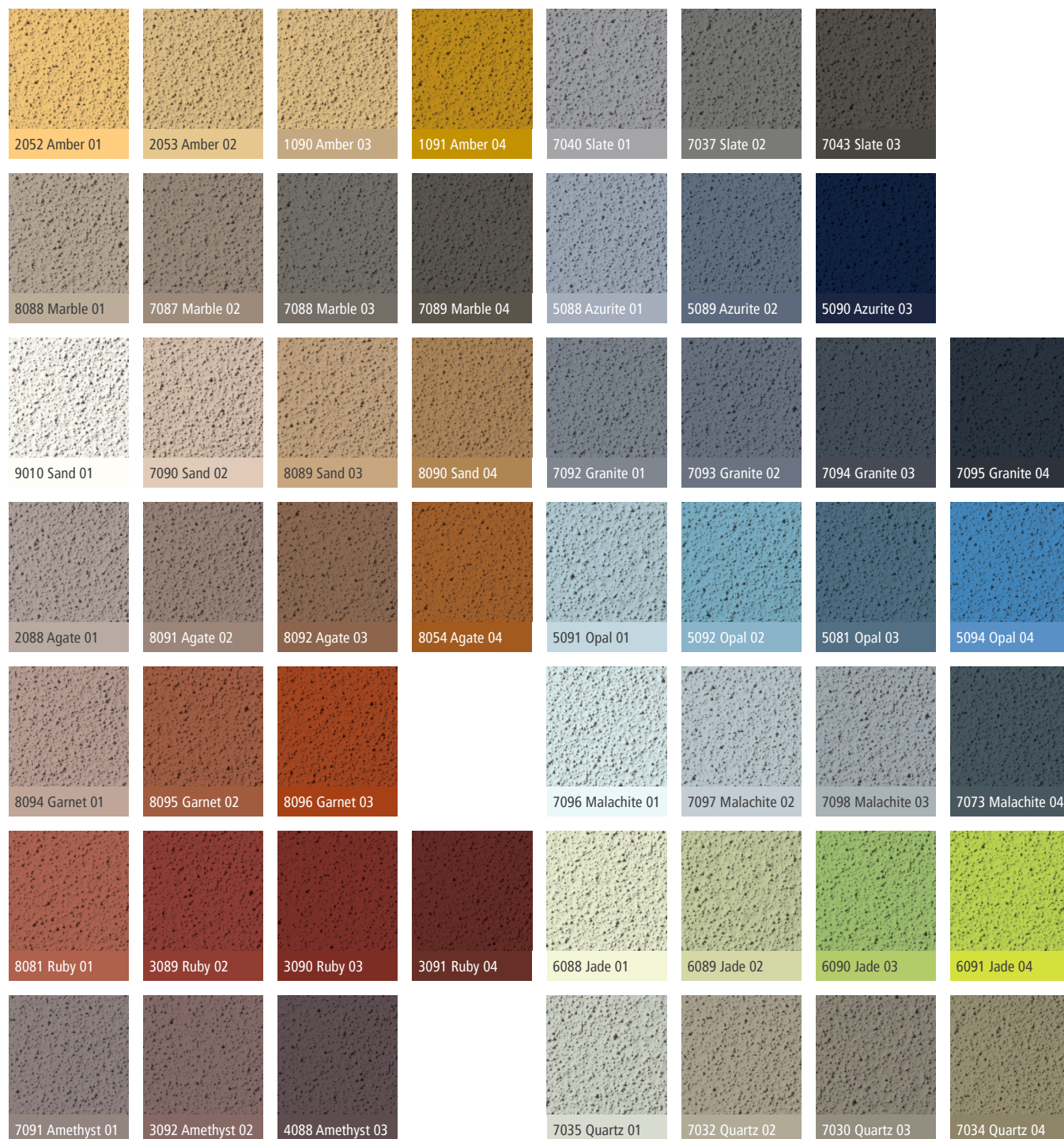


Let's head outside



Triflex colour card

# ...and more than 50 colours



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

Notes: Colours shown are examples of Quartz Design, texture is indicative only and is dependent upon aggregate size. There may be minor variations between the colours shown and actual colours, other colours are available on request.



System selector

# Choosing the right system

## Walkways, balconies and terraces



Over an open or unoccupied space

### Triflex ProFloor

Partially reinforced waterproofing and surfacing system for applications over an open or unoccupied space. Available with a choice of 4 surface finish options and over 50 standard colours.

Over occupied premises

### Triflex ProTerra

Fully reinforced BBA certified solution for waterproofing and surfacing applications over occupied premises. Can be customised to meet client demands, with 4 finish options, including certified fire performance EN 13501-5 : B<sub>ROOF</sub>(t4) variant and 50 colours.

Inverted build-up

### Triflex ProTerra Buried

Fully reinforced BBA certified waterproofing system for use beneath coverings or in buried and inverted build-ups. Also available with a heavy duty finish for applications where a more impact resistant surface or creating a key is required.

Insulated build-up

### Triflex ProTerra Insulated

Allows regulation compliance with a thin section build-up to maximise insulation thickness and reduce system height. Triflex ProTerra insulated can help to reduce heat loss and improve energy performance. Used with Triflex ProTerra.

Saturated substrates

### Triflex ProDrain

The solution for water saturated and contaminated substrates. Triflex ProDrain allows easy overlay of substrates which would normally need to be completely removed, reducing time on-site and saving significant costs.

## Stairs and stairwells



Over an open or unoccupied space

### Triflex StairCoat

Protects the structural integrity of stairs and stairwells against water, mechanical and chemical damage. Triflex StairCoat is available in multiple finishes, colours and with resin or fabricated nosings.

Over occupied premises

### Triflex StairCoat Reinforced

Provides all of the benefits of Triflex StairCoat but with an additional reinforced waterproofing layer to make it the ideal solution for stairs and stairwells over occupied premises.

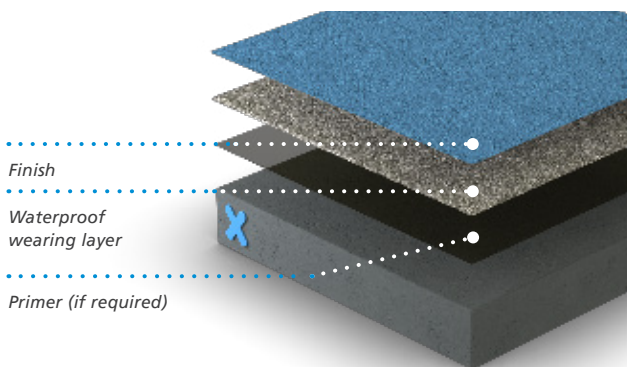


Over an open or unoccupied space

## Triflex ProFloor

It is essential that cantilevered balconies, walkways 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 provides the perfect solution, with a combination of reliable, long term waterproofing, highly durable surfacing and attractive design.

### System build-up



### Advantages at a glance

#### Tough and durable protection

Whether your walkway, balcony or terrace requires a heavy duty wearing layer, an anti-slip coating or a smooth finish. Triflex ProFloor can be tailored to meet your design criteria. The system is unaffected by ponding water and resistant to chlorides (salts), carbon dioxide ingress, and approved de-icing and cleaning products. Protection that's built to last, with a low life-cycle cost.

#### Dynamic crack bridging, locally reinforced waterproofing

Even high risk areas pose no problem for this hard wearing solution, as the system incorporates a fully reinforced waterproofing membrane locally to accommodate movement within the structure.

#### Fast curing, cold applied system with rapid installation

Rapid curing and easy to install, Triflex allows buildings to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C.

#### 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, 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

The solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings. The levels of skid resistance of a number of the finish variants make these particularly suitable for high risk, frequently trafficked areas.

#### Versatile design

With 4 system variants offering different textures and surface finishes, combined with over 50 standard colours the system can be tailored to meet aesthetic and project needs.

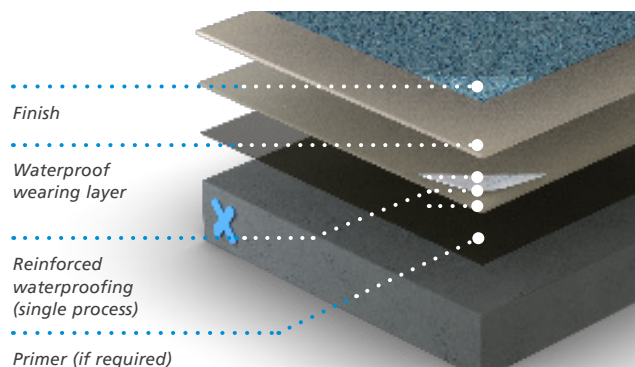
Over occupied premises

## Triflex ProTerra



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 reliable, long term, fully reinforced waterproofing in combination with highly durable surfacing in a range of attractive finishes. Certified fire performance EN 13501-5 : B<sub>ROOF</sub>(t4) variant available.

### System build-up



### Advantages at a glance

#### Dynamic crack bridging, fully reinforced, cold applied system

Triflex lead from the front. Featuring unique resins with enhanced elastomeric properties and high tensile strength fleece reinforcement, we deliver 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, cold applied system with rapid installation

Rapid curing and easy to install, Triflex allows buildings to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life. Installation can be carried out all year round, and the majority of system variants still cure quickly at temperatures down to 0°C.

#### High levels of protection with a low life cycle cost

The system performance is unaffected by ponding water and the system is resistant to chlorides (salts), carbon dioxide ingress, and approved de-icing and cleaning products.

The heaviest duty variant, Quartz Design with large grain quartz offers a robust solution for highly trafficked applications including local authority access walkways and permanent pedestrian traffic routes. With proven, long term performance and EN13501-5 : B<sub>ROOF</sub>(t4) fire performance, this variant offers best value with a low life cycle 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, Triflex ProTerra 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.

#### Maximum design options

4 system variants offering different textures and surface finishes, and over 50 standard colours the system can be tailored to meet project needs.



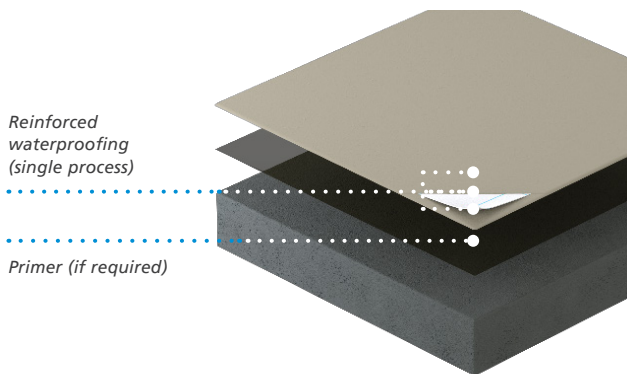
Inverted build-up

## Triflex ProTerra Buried



Where an alternative to a self-finished waterproofing and surfacing system is required, for example paving slabs, tiles, timber decking or artificial grass it is essential that the highest quality waterproofing system is used beneath. The BBA and ETA certified Triflex ProTerra Buried system is the perfect answer, offering reliable, long term waterproofing that can be used in conjunction with a wide range of both loose laid and fully bonded overlay solutions. Tested to EN 13501-5 : B<sub>ROOF</sub>(t4).

### System build-up



### Advantages at a glance

#### 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 Buried 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.

#### Tough and durable protection

Triflex ProTerra Buried is designed for use beneath coverings and in inverted and buried build-ups, easily withstanding the permanent loads created from the overburden. The durable system is unaffected by ponding water, can be overlaid with cementitious materials, and is resistant to chlorides (salts), carbon dioxide ingress, and approved de-icing and cleaning products. Protection that's built to last, with a low life cycle cost.

#### Safety and environmental

Our solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings.

#### Fast curing, cold applied system with rapid installation

Rapid curing and easy to install, Triflex allows buildings to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C.

#### Versatile design

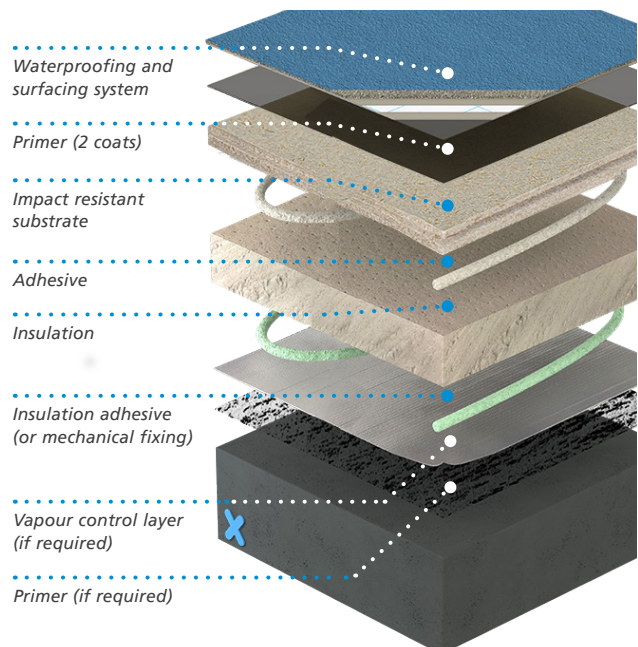
Triflex ProTerra Buried is available in a standard and high duty variant. Create your perfect design by choosing from a wide range of overlay options such as tiles, paving, decking, cushion surfaces, artificial grass, cementitious overlay and much more.

Insulated build-up

## Triflex ProTerra Insulated

Driven by the increasing demands of Part L of the Building Regulations to reduce heat loss and improve energy efficiency in areas that are over occupied spaces, it is sometimes necessary to choose a waterproofing and surfacing system that not only provides reliable protection and attractive design but also offers increased thermal performance. Triflex ProTerra Insulated meets all of these demands and more.

### System build-up



### Advantages at a glance

#### One stop shop

With Triflex you get the complete, one-stop solution. Featuring a high performance warm roof insulation, a thin section, lightweight, impact and water resistant topping and the market leading Triflex ProTerra waterproofing and surfacing system. Threshold height requirements are minimised as the build-up above the insulation is much thinner than traditional construction.

#### Maximum thermal performance

Our proven, high quality system offers a cost effective solution that ensures the requirements of Part L of the Building Regulations are exceeded. Maximising insulation values, reducing heat loss and increasing energy efficiency is simple to achieve.

#### Fast curing, cold applied system with rapid installation

Rapid curing and easy to install, allowing buildings to remain open. Installation can be carried out all year round and the system still cures quickly at temperatures down to 0°C with no risk from hot works during installation as all our materials are applied in a totally cold liquid form.

#### Safety and environmental

Our solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings.

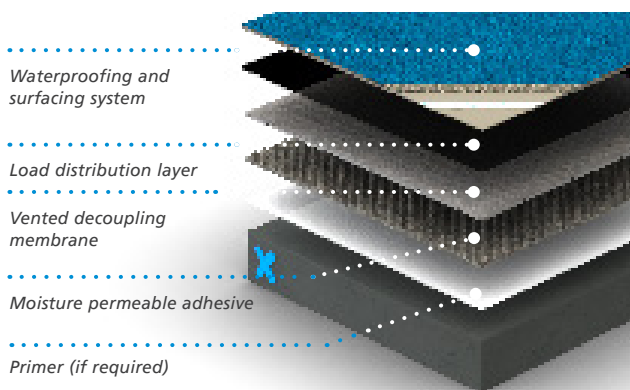


Saturated substrates

## Triflex ProDrain

When a balcony, walkway or terrace has a saturated or contaminated substrate or features a failing buried membrane, it is not possible to successfully overlay these areas directly with a new waterproofing and surfacing system. Triflex ProDrain offers a safe, de-coupled solution to deal with moisture and contamination. The system features a unique self-supporting isolating and venting sheet that enables the subsequent Triflex ProTerra waterproofing and surfacing system to be applied over it.

### System build-up



### Advantages at a glance

#### Ultimate refurbishment solution

With Triflex ProDrain there is no need for the time consuming and costly removal of the existing substrate, even when it is saturated, contaminated or cracked. The installation of the unique self-supporting decoupling membrane enables the subsequent Triflex ProTerra waterproofing and surfacing system to be applied directly on top, and the thin layer build-up has minimal impact on thresholds. A safe, effective refurbishment solution that lasts.

#### Fast curing, cold applied system with rapid installation

Traditional refurbishments can take weeks to complete, and are susceptible to further water ingress when the existing substrate is removed. Fast curing, cold applied and easy to install, Triflex ProDrain can be installed in just a few days. Allowing the building to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life.

#### Tough and durable protection

The demands of the walkway, balcony and terrace environment are no issue for Triflex ProDrain. The system is unaffected by ponding water and resistant to chlorides (salts), carbon dioxide ingress, and approved de-icing and cleaning products. Protection that's built to last, with a low life cycle cost.

#### Safety and environmental

Our solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings.

#### Versatile design

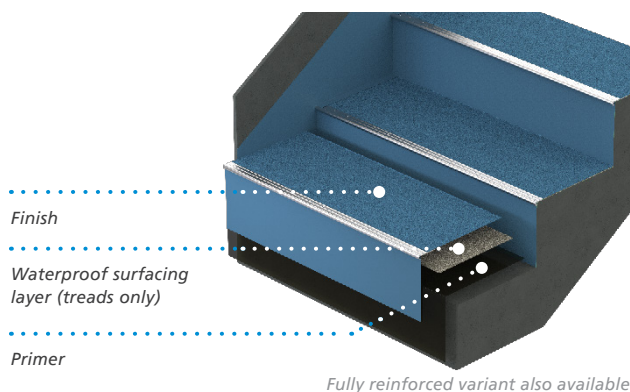
Available in four surface finishes, choose the perfect colour, texture and finish for your project.

Stairs and stairwells

## Triflex StairCoat

Stairs and stairwells are vulnerable to water and chemical damage as they are not only open to the elements but are also particularly susceptible to mechanical damage, particularly at nosings. To protect the long term integrity of the structure, and to provide a safe and secure environment for users it is essential that a robust waterproofing and surfacing system is used. Providing a combination of heavy duty, highly durable surfacing on the treads with resin or fabricated nosings, Triflex StairCoat is the answer.

### System build-up (Triflex StairCoat)



### Advantages at a glance

#### Tough and durable protection

The demands of the stair and stairwell environment are no issue for Triflex StairCoat, and vulnerable nosings are protected with a resin or fabricated nosings. High risk areas pose no problem for this hard wearing solution, and the Triflex StairCoat Reinforced variant incorporates a fully reinforced waterproofing membrane to accommodate movement within the structure and when used over occupied premises.

#### Fast curing and cold applied

Rapid curing and easy to install, Triflex allows buildings to remain 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.

#### Asphalt overlay

Many stairs and stairwells have historically been waterproofed using asphalt which over time will fail. With more than 30 years' experience, Triflex StairCoat Reinforced is the ideal solution for directly overlaying failing asphalt. In fact, whatever the substrate, we can provide a quick, easy and reliable overlay solution.

#### Safety and environmental

The solvent and isocyanate free resin technology has been assessed under BREEAM principles and can contribute to A+ ratings. The levels of skid resistance of a number of the finish variants make these particularly suitable for high risk, frequently trafficked areas.

#### Versatile design

Available in either Quartz Design or Chips Design these system variants offer different textures and surface finishes. Combined with over 50 finish colours the system can be tailored to meet aesthetic and project needs.



Triflex service

# Setting the standard

## Solutions

Our aim is to ensure that our clients arrive at the most practical, efficient and best value solution for their project. We do not sell products - we offer solutions to solve problems.

## Service

Our clients receive the highest level of technical service, support and back-up right through to the delivery of the finished project. From site surveys and testing, to bespoke specifications and CAD models, we offer complete peace of mind.



## On-site support

Prior to and once your project commences, we can provide full on-site support. Whether you require testing, monitoring, site visit reports or simply advice, we can be on hand when you need us to help ensure that your project is delivered to the highest standard.

## Delivery

We only sell our solutions directly to our network of specially trained authorised installers, ensuring that quality is not compromised at any stage of the process. Additionally our UK warehouse can provide next day delivery of most standard items to ensure that there is a quick turn around on your project.



Triflex solutions in action

## Case studies



Le Clos Maurant

Location: Jersey  
Area: 9,850 m<sup>2</sup>



Royal Holloway  
College

Location: Surrey  
Area: 240 m<sup>2</sup>



Meadfoot Beach  
Chalets

Location: Torquay  
Area: 550 m<sup>2</sup>



Eastland Homes

Location: Manchester  
Area: 200 m<sup>2</sup>

For details and more visit [triflex.co.uk/casestudies](https://triflex.co.uk/casestudies)



# EVEN MORE SOLUTIONS FROM TRIFLEX.

## Reliable and lasting waterproofing Solutions for roofs

With Triflex roofing systems, you have a solution that can handle even the most difficult requirements easily. Our fully reinforced, cold liquid applied systems ensure that all surfaces and complicated details are reliably and seamlessly waterproofed. Our high quality products, impeccable track record, dedicated technical support and 40 years' experience, make Triflex the ideal choice to deliver your roofing project.

### ADVANTAGES AT A GLANCE

- Fully reinforced waterproofing of all areas including details
- Fast curing, cold liquid applied, fully certified waterproofing
- No hot works, with the highest UK fire rating once installed
- Problem-free adhesion even on unusual and challenging substrates
- The perfect solution for refurbishment and new build



Reference  
Project  
**Walter Halls  
Primary School**  
Location:  
Nottingham  
Area: 425m<sup>2</sup>



Long term protection, versatile

## Solutions for car parks

Our high quality, cold liquid applied waterproofing and surfacing systems protect multi-storey, roof top and underground car parks from mechanical loads and chemical degradation, guaranteeing reliable, long term protection. Our solutions not only prolong the life of the building and add value and safety to the structure, they also minimise disruption to users as installation can be completed quickly with treated areas open to traffic after just a few hours.

Further applications

## Solutions for energy, industry and infrastructure

Whatever the project, we have a range of specifically engineered waterproofing, surfacing, coating and repair systems to suit your needs. We can provide solutions for almost any application, such as; wind turbines, plant rooms, water treatment facilities, water features and fountains, monuments, joints and much more.

### ADVANTAGES AT A GLANCE

- Long term protection for multi-storey, roof top, underground and surface car parks
- Fast application, short closure periods
- Durable anti-skid surfacing
- Creative design possibilities
- The perfect solution for refurbishment and new build



### ADVANTAGES AT A GLANCE

- Long lasting and reliable solutions
- Cold liquid applied and fast curing
- Compatible with almost any substrate
- Aesthetically pleasing and high quality
- Dedicated testing and certification



Reference  
Project  
**Middleborough  
MSCP**  
Location:  
Colchester  
Area: 12,000m<sup>2</sup>



Reference  
Project  
**Contact Tanks  
Refurbishment**  
Location: The  
Midlands

## Delivering solutions together.

Triflex is the leading European specialist in cold liquid applied waterproofing, surfacing and marking resins. Our high-quality systems provide reliable and lasting waterproofing, surfacing, protection and markings for roofs, walkways, balconies, terraces, car parks, roads and infrastructure.

We are a family owned and operated company that provides tailored solutions worldwide. From our production facilities based in Minden, Germany, we have been researching and developing solutions designed to protect and repair the built environment for more than 40 years.

From our UK and Ireland headquarters based in Stone, Staffordshire we pride ourselves on providing our clients with tailored solutions and exceptional levels of service and support throughout all stages of their project. From conducting in-depth site surveys to our comprehensive testing and off-site and on-site support, Triflex delivers the highest standards.

Triflex solutions are certified to the highest standards and are backed up by long-term meaningful warranties, ensuring peace of mind for years to come.



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