



System overview

Triflex ProTerra Buried (BBS)

For use on walkways, balconies and terraces beneath coverings or in buried and inverted build-ups

It is often preferable that a balcony, walkway or terrace is finished with a covering such as paving slabs, tiles or timber decking. While these options offer a greater choice in design they will not protect the structure from water, mechanical or chemical damage, so it is essential that a high quality waterproofing system is used beneath. Triflex ProTerra Buried is the perfect answer, offering reliable, long term waterproofing that can be used in conjunction with a wide range of loose laid and bonded overlay solutions. 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 ProTerra Buried is available in both a standard and a heavy duty variant, so whatever the covering, we can provide a solution that lasts.



System highlights

Dynamic crack bridging, fully reinforced, cold applied system

Triflex lead from the front. Featuring resins with enhanced elastomeric properties and high tensile strength fleece reinforcement, we deliver a totally waterproof solution that can accommodate movement and cracking within a structure. There is no risk from hot works during installation as all our 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 allows buildings to remain occupied during installation, limiting access restrictions and unnecessary disruptions to everyday life.

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 these unique environments. The durable system is unaffected by ponding water 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 lifecycle 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 Buried 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. The Stone Design finish provides a low slip (needs value) potential in accordance with HSE guidelines.

Versatile design

Triflex ProTerra Buried is available in a standard and high duty variant which can be used beneath loose laid and bonded coverings and surfaces. 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.

Application areas

- External walkways, balconies, terraces, pedestrian bridges and other pedestrian trafficked areas beneath coverings
- In buried and inverted external walkways, balconies, terraces, pedestrian bridges and other pedestrian trafficked areas
- High risk areas subject to significant levels of structural movement and cracking

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 system will have a service life of at least 15 years



EN 1504-2 certified

B3.2 (-20°C) dynamic crack bridging



ETAG 005 certified (reinforced waterproofing membrane)

25 year expected working life



Root and rhizome resistant (reinforced waterproofing membrane):

FLL Certified: Root and rhizome resistant

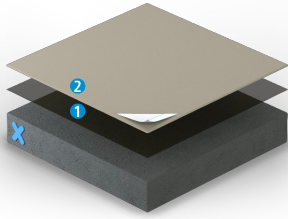
- Fire performance:
 - EN ISO-11925-2
 - EN ISO-9239-1
 - EN 13501-1

- NHBC accepted

Manufacturer certification

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

System build-up and consumptions



Layer	Product	Consumption ⁽¹⁾	Aggregate / Broadcast	Overcoat / traffic ⁽²⁾
1 Primers	Triflex Cryl Primer 222 / 276 / 287 / 280 White	0.40Kg/m ²	-	45 minutes
2 Reinforced waterproofing (single process)	Triflex ProTerra reinforced with Triflex 110g Reinforcement	Resin: 3.00Kg/m ² Reinforcement: 1.05m ² /m ²	-	1 hour
Optional finishes				
Heavy duty finish	Triflex ProTerra	1.50Kg/m ² min.	Quartz 0.7 - 1.2mm: 6.00Kg/m ²	1 hour

⁽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.

Primary test data

System performance

Large grain quartz - 0.7 - 1.2mm and 0.4 - 1.2mm quartz
EN 1504-2 Products and systems for the protection and repair of concrete structures.

Triflex ProTerra Buried resin colours

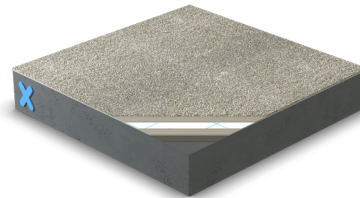


7032 Pebble grey
Quartz 02

Notes: There may be slight variations in shade between actual colours and those shown below. RAL colours are approximate.

Optional finishes

Heavy duty



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.