

Roof Surface Waterproofing System
Triflex ProTect®





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Security for roof areas



Flat roofs may appear to be simple constructions. But they often place the highest demands on the waterproofing material used. Rain, wind and weather; mechanical, thermal and chemical loads imposed by the environment: these are the demands that a waterproofing system must be able to cope with if it is to prove its functionality.

Particularly in areas where there are valuable production plants, underlying offices and sales rooms or in the case of complex roof surfaces with numerous penetrations, Triflex liquid waterproofing systems offer crucial advantages compared to conventional waterproofing sheeting.

Triflex has more than 40 years experience of using durable waterproofing and coating systems in the world of building refurbishment. Triflex ProTect is a waterproofing system developed specially for flat roofs that ensures the lasting reliable protection of buildings.



Flexible application options

Triflex ProTect is a waterproofing system with outstanding material characteristics. This means it can be used for roof surface waterproofing, as well as a host of other applications.

The mechanically stable material is ideal for installation underneath other coverings, such as gravel, paving or grass. The extremely high hydrolysis resistance of Triflex ProTect means it can even be used in standing water applications, e.g., for ornamental fountains.



Tried and tested materials

Triflex ProTect is a further development of modern fastcuring PMMAs (polymethyl methacrylates) and is based on over 30 years of experience with that particular material. The approval and test certificates obtained reflect the excellent quality of the product and the system.

The Triflex ProTect waterproofing system has been awarded the ETA certificate (European Technical Approval) and meets the requirements of the EU directive on building products (CE marking). A test relating to the product's root resistance has also been carried out according with the FLL test procedure. The system is classified as root and rhizome resistant.





Advantages at a glance

Highly resilient with dynamic crack-bridging

The fully reinforced system offers a level of flexibility that leaves it unaffected by any movement of the other functional layers.

Ideal for refurbishments

The system can be applied to virtually all substrates, is vapour-permeable and, with a surface weight of less than 4 kg/m², it is also suitable for application on existing waterproofing systems without negatively affecting stability. This saves removal costs and time.

Waterproof down to the smallest detail

The cured liquid applied waterproofing forms a seamless surface with no joints. Even complex details, such as H-beams, can be easily and homogeneously waterproofed using liquid processing technology.

Short reaction times

The liquid applied system has particularly rapid curing times. The waterproofing resin is fully functional after just one hour. This ensures reliable processing – even in changeable weather and at substrate temperatures of down to 0 °C.

Flexible application options

Triflex ProTect is used as surface waterproofing on flat roofs. The particularly high-quality liquid applied waterproofing also permits use as waterproofing for waterproof-concrete joints, under other coverings, for ornamental fountains or in other areas in a wide range of system versions.

Easy to maintain

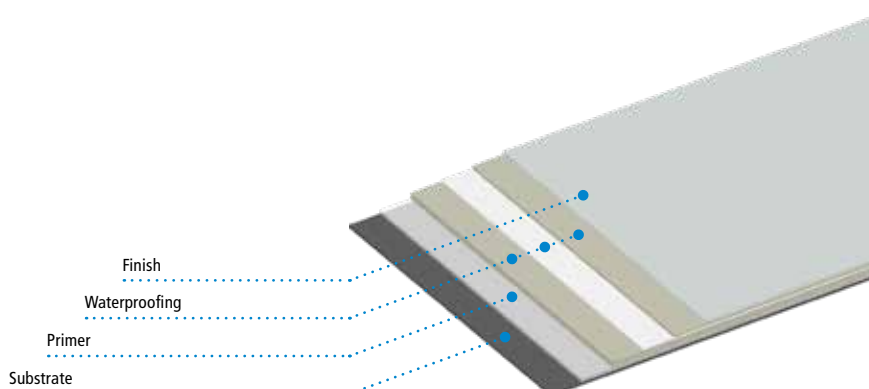
Triflex ProTect has excellent mechanical and chemical stability. The system can be walked on normally and requires no further overlays as surface protection. The full-surface bonding with the substrate means there is no underflow of rainwater. This means that any leakages are easy to locate and repair.

Certified safety

Triflex ProTect has obtained European Technical Approval (ETA) and meets the requirements of the Construction Products Directive of the EU (CE marking). Its root resistance is also certified acc. to FLL standards (EN 13948). In addition, Triflex ProTect meets the requirements of DIN 18195 Parts 4 to 7 and DIN 18531 Parts 1 to 4.

The system in detail

Triflex ProTect is a fully reinforced waterproofing system for roof areas and other areas of application. It is based on rapid-curing, flexible PMMA (polymethyl methacrylate). The system is applied on site, wet on wet.



Good substrate compatibility

Substrate	without primer	with primer
Asphalt		■
Concrete		■
Bitumenised sheet made from oxidised bitumen	■	
GRP / domelight curb	■	
Hot bitumen top coat		■
Cold bitumen base coat		■
Plastic sheeting (CPE)	■	
Plastic sheeting (EVA)	■	
Plastic sheeting (PIB)	■	
Plastic sheeting (PVC-P, nB)	■	
Metals (stainless steel, copper, zinc etc.)	■	
Polymer bitumen sheeting (PY-E) mod. (SBS)	■	
Polymer bitumen sheeting (PY-E) mod. (APP)	□	
PU mouldings and rigid foam boards	■	
PVC mouldings	■	
Tar		■

Adhesion to the substrate must be checked on a case-by-case basis



Triflex ProTect bonds to over 90 percent of all the bitumenised and plastic sheets commonly available in the market, usually without requiring additional primer. This saves material and one application step. The system's full bond to a wide variety of substrates prevents rainwater underflow. Cold application (no flame) makes fire prevention and fire watch on the roof unnecessary.

And this is how it's done ...



1. The substrate is prepared.



2. Prior to applying the waterproofing, Triflex Catalyst is stirred into the resin.



3. First, all details are waterproofed using Triflex ProDetail.



4. Triflex ProProtect is applied generously to the surface.



5. Triflex Special Fleece is applied across the entire surface ensuring there are no air bubbles.



6. A second layer of Triflex ProProtect is applied.



7. If required, the surface can be finished after approx. 1 hour.



8. All surfaces are waterproofed down to the smallest detail!

We are here to help.

Our aim is to make life that little bit easier for you. We will provide you with all the information you need to reach a clear decision. Our technical support team will be pleased to visit you on site. Triflex system descriptions, system drawings and colour design suggestions are available on request. Moreover, standard tender texts can be downloaded at www.triflex.com.



Triflex quality

Triflex products are based on more than 40 years of experience, combined with continuous development and liquid applied waterproofing system solutions that have been tried and tested in a whole range of applications.

The company is certified to ISO 9001 and Triflex products have obtained ETA approval or obtained General Building Supervisory Authority Test Certificates (abP) and compliance marks; just some of the factors that contribute to the high standard of quality.



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