

# Creative car parks

Parking decks | Underground car parks



The specialist in liquid applied waterproofing

## Triflex®

Liquid applied waterproofing  
Balconies | Flat roofs | Parking decks

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## Designer car parks



The car park is where the first impressions of your company are made. Your customers will only be happy to return if they feel safe. We can help you to achieve that.

Waterproofing is not enough for your building, you also need to maintain the value of the property. And you should act now, preferably before the first signs of damage are visible. Every year of inaction causes a disproportionate and unnecessary increase in the costs for labour and materials required for refurbishment.

By choosing Triflex liquid applied waterproofing systems, you are choosing a solution which provides long-term security. Property references spanning over 30 years in this field demonstrate the quality of our solutions. Triflex systems can be used both for refurbishment and for new buildings. The properties of the systems make the removal of the existing surface very often unnecessary, which minimises costs for the building owner.



## Solutions for all requirements

Requirement	Top deck systems			Interior deck systems			Ancillary systems	
	Triflex ProPark	Triflex AWS	Triflex DeckFloor	Triflex DeckCoat	Triflex CPS-I	Triflex UCS	Triflex ProJoint	Triflex DMS
Top decks	■	■						
Entrances and exits	■	■	■					
Ramps and spiral ramps	■	■	■					
Open interior parking decks	■	■	■	■	□			
Closed interior parking decks	□	□	□	□	■	■		
Underground car parks	□	□	□	□	■	■		
Working and expansion joints	■	■	■	■	■			
Joints subject to high mechanical stress							■	
Multi-storey car park markings								■

Function	Waterproofing		Coating				Waterproofing	Marking
	PMMA	PMMA + mastic asphalt	PMMA	PMMA	EP/PU	EP	PMMA	PMMA
Material	PMMA	PMMA + mastic asphalt	PMMA	PMMA	EP/PU	EP	PMMA	PMMA
Crack-bridging	high	high	low	none	medium	none	high	none
Test certificates (selection)*	OS 10	Test report	OS 13	OS 8	OS 11b	OS 8	Test report	Test report

■ Suitable □ Special solution \* Further information available in the system descriptions. OS Systems according to European Standard EN 1504.



## Maintaining the fabric of buildings with long-term protection

Oil stains, puddles, crumbling concrete: In a car park like that, no one feels safe. And yet we experience this day in, day out in many multi-storey car parks and underground car parks. However, an alternative is at hand. With our systems and expertise, we offer the necessary means to develop it together with you: the creative multi-storey car park.

A creative multi-storey car park is clearly laid out, light and clean. It gives visitors a feeling of safety and confidence. Their appearance ensures the generation of profit for their owners well into the future. And that applies whether you are a municipal operator or manage a busy shopping centre with attached parking.





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## Waterproofing systems for top decks

### Triflex ProPark®

Triflex ProPark is a fully reinforced waterproofing system which is used on exposed parking decks and highly trafficked areas of the building, such as ramps. This system, made from fast-curing polymethyl methacrylate resins (PMMA) and able to withstand high mechanical loads, was developed especially for multi-storey car park traffic and provides long-lasting protection for the structure. The top deck waterproofing system Triflex ProPark has been awarded a General Building Supervisory Authority Test Certificate (abP) and is classified according to OS 10 in accordance with Guideline SIB 2001 from the German Committee on Reinforced Concrete (DAfStb Rili SIB 2001), according to EN 1504.

#### The benefits at a glance:

- Withstands high mechanical loads
- Chemical bond between all layers
- Laterally and shear-resistant construction
- Dynamic crack-bridging
- System-integrated detail solutions
- Ready for vehicle traffic after approx. 3 hours.
- Weather-resistant (UV, IR, etc.)
- Tested safety



### Triflex AWS

Triflex AWS is a fully reinforced waterproofing system, which is used underneath mastic asphalt. This heat-resistant system, made from fast-curing polymethyl methacrylate resins (PMMA), allows swift completion and waterproofs all details and joints seamlessly. The waterproofing component has been awarded a General Building Supervisory Authority Test Certificate (abP) in accordance with the Building Regulations List A, Part 2 numbers 1.12 as defined in DIN 18195, according to EN 1504.

#### The benefits at a glance:

- Heat-resistant up to +250 °C
- Highly resilient
- Dynamic crack-bridging
- System-integrated detail solutions
- Short closure periods
- Long-lasting protection
- Tested safety



## Coating systems for open interior parking decks

### Triflex DeckFloor

Triflex DeckFloor is a thick-layer system with static crack-bridging. The self-levelling mortar is able to withstand high mechanical loads and has been specially designed for heavily used intermediate decks, which are exposed to natural ventilation. This surfacing system, made from polymethyl methacrylate (PMMA) resin is approved to OS 13 and OS 8 in accordance with Guideline SIB 2001 from the German Committee on Reinforced Concrete (DAfStb Rili SIB 2001), supplementary sheet 2005 and DIN V 18026, according to EN 1504.

#### The benefits at a glance:

- Long-lasting
- System-integrated detail solutions
- Short closure periods
- Improved safety with anti-slip finish
- Static crack-bridging
- Tested safety



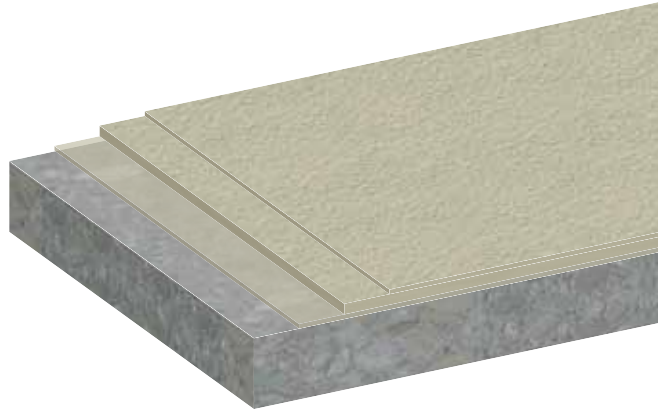
## Coating systems for open interior parking decks

### Triflex DeckCoat

Triflex DeckCoat is a waterproof thin-layer system for less trafficked parking deck surfaces and parking spaces. This system, made of polymethyl methacrylate resin (PMMA), is specially developed for intermediate decks and offers a simple protection in a variety of colours and increased anti-slip finish. Flashing, joints and details are carried out as fleece reinforced waterproofing. Triflex DeckCoat is approved to OS 8 in accordance with Guideline SIB 2001 from the German Committee on Reinforced Concrete (DAfStb Rili SIB 2001), supplementary sheet 2005 and DIN V 18026, according to EN 1504.

#### The benefits at a glance:

- Waterproof thin-layer system
- Improved safety with anti-slip finish
- System-integrated detail solutions
- Coloured designs
- Short closure periods
- Tested safety



## Coating systems for closed interior parking decks

### Triflex CPS-I

Triflex CPS-I is a single-layer surfacing system with superior dynamic crack-bridging. The system, which is made of epoxy and polyurethane resin (EP/PU), has been specially designed for interior areas with pedestrian and heavy vehicular traffic and is approved to OS 11b in accordance with Guideline SIB 2001 from the German Committee for Reinforced Concrete, according to EN 1504.

#### The benefits at a glance:

- Highly resilient and crack-bridging
- System-integrated detail solutions
- Tested safety



### Triflex UCS

Triflex UCS is a waterproof thin-layer system, which is used on less trafficked parking deck surfaces, e. g. parking spaces. This system, made of epoxy resin (EP), is specially developed for interior decks and underground car parks and offers a simple protection in a variety of colours and increased anti-slip finish. Triflex UCS is approved to OS 8 in accordance with Guideline SIB 2001 from the German Committee on Reinforced Concrete (DAfStb Rili SIB 2001), supplementary sheet 2005 and DIN V 18026, according to EN 1504.

#### The benefits at a glance:

- Waterproof thin-layer coating
- Improved safety with anti-slip finish
- Coloured designs
- Tested safety



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### Ancillary systems

#### Triflex ProJoint®

Top decks and parking decks are often large areas which are subject to severe loads and stresses. Only when the joints too are reliably waterproofed is the parking deck's waterproofing or surfacing able to provide secure protection for the concrete substrate. Triflex ProJoint, made of fleece-reinforced liquid application (PMMA), is a seamless, joint-spanning waterproofing system which is reinforced with an edge protector insert.

**The benefits at a glance:**

- Waterproof down to the detail
- Long-lasting protection
- Flexible use
- Tested safety



#### Triflex DMS

Pedestrians and drivers should be made to feel safe in car parks. The markings must provide a clear orientation. This can often be achieved by a well planned and easy-to-follow colour design for all parking decks.

**The benefits at a glance:**

- Information by colour
- Short closure periods
- Highly reflective
- Easy-care
- Extremely heavy duty



### Solutions for ramps and joints



Ramps and entrances are some of the areas in a multi-storey car park which are most subject to high mechanical loads. However, if the car park is being refurbished, these areas cannot be closed for extended periods without considerable disturbance. Triflex systems cure quickly and can be opened up to traffic



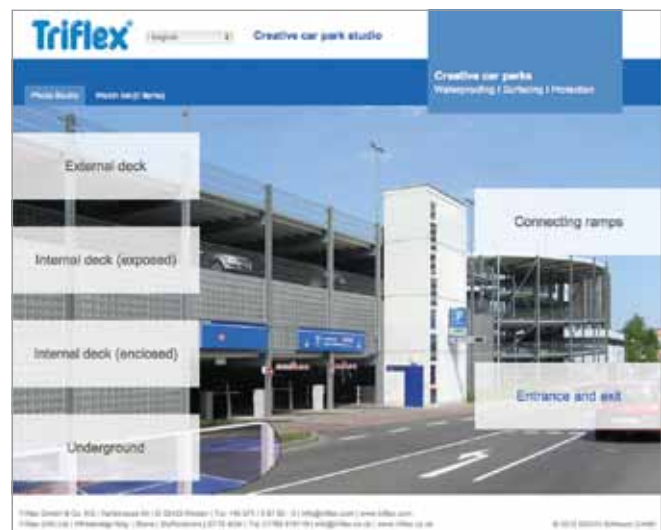
Joints are the backbone of every multi-storey car park. Refurbishment of the surfaces is only worthwhile if these sensitive areas can be waterproofed permanently. The waterproofing of joints is one of the strengths of Triflex system solutions, which have stood the test of time for many years. Seamless and homogeneous transitions are created because the reinforced material is applied as a liquid. Any cracks in the structure of the building are securely bridged.



## Creative use of colours and surfaces



Why stop at refurbishing when you can create a new look at the same time? Triflex liquid applied waterproofing systems are produced in a wide variety of colours. Different colourways for each level make it easier for users to find their way round the multi-storey car park and convey a greater feeling of safety. Virtual footpaths can be highlighted in a different colour and parking bays with special markings can help to avoid accidents. Harmonising the car park with your company's corporate design will make it unmistakable and attractive to all visitors: simply a creative multi-storey car park.



For further details go to [www.triflex.com](http://www.triflex.com)  
or directly to the car park design software  
at [www.triflex.com/parkhaus-studio](http://www.triflex.com/parkhaus-studio).

## Solutions for details



The Triflex car park systems excel where conventional products show their weaknesses – in the detail. The advantage: the liquid resin can easily waterproof notoriously difficult areas such as upturns, pillars, and corners. As the material bonds with the substrate, it forms a barrier against penetrating moisture even in the event of mechanical damage. The crack-bridging waterproofing system simply accommodates structural movement that occurs primarily where horizontal and vertical components meet.





## Triflex System Solutions



Triflex products are based on more than 30 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 also obtained further test certificates; just two of the factors that contribute to the high standard of quality.

ISO 14001



## Quality application

Triflex systems are applied by trained and experienced specialists. All companies that work with Triflex are selected on the basis of a requirement profile that guarantees the high Triflex standards in workmanship and service for the customer.



## The next step

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 happy to visit you on site.

For detailed Triflex system descriptions, bills of quantities, as well as colour scheme suggestions, please contact us at the following address or simply visit [www.triflex.com](http://www.triflex.com).

# Triflex®

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