



TRIFLEX PRODUCTS





Dear customer,

Information on Triflex Products

The Triflex product information is designed to assist you in the application and use of Triflex products. On pages 4–5, we have compiled an overview of the Triflex systems according to areas of application. The tables list the Triflex system with the corresponding Triflex products. The lists are divided according to primers, repairs, waterproofing, coatings, finishing, markings and additional products.

In order to determine the correct application temperature and the consequent component mixture, the dew point temperature table can be found on page 174.

If you require further technical documents or would like to know more about our products, your personal Triflex advisor will be happy to offer support. The consultant will be happy to help you.

Frank Bed

Dipl.-Ing. Frank Becker Head of Technology

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Triflex system summary

Roofs Balconies Parking decks Infrastructure Energy & industrie Markings

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Triflex system summary

Roofs Balconies Parking decks Infrastructure Energy & industrie Markings



System components Special solution



Primer Triflex Bitumen Blocker

Product information

Applications

Triflex Bitumen Blocker is used as a primer for Triflex SmartTec / Triflex SmartTec Sp for all bituminous substrates, e.g. bare bitumen or bitumen welding seams.

Properties

Single-component, unpigmented primer with an acrylate dispersion base. Triflex Bitumen Blocker offers the following quality features:

- Single-component
- Easy to use
- Solvent-free
- Odourless

Pack sizes

Drum

10.00 kg Triflex Bitumen Blocker

Colours

Whitish/transparent

Storage

Store in a dry place at temperatures between +10 °C and +30 °C. Shelf life of 12 months if unopened. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Bitumen Blocker can be applied at substrate and ambient temperatures from a minimum of +10 °C to a maximum of +30 °C.

Preparation of the substrate

Substrates must be free of all loose, adhesion-reducing components. The substrate should have a minimum temperature of +10 °C and must not exceed +40 °C.

Mixing instructions

The product can be applied immediately after opening the container.

Coverage

At least 0,40 kg/m² on a smooth, even surface.



Drying time

Approx. 3 hrs. at +20 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.





Solutions based on H-PMMA Triflex Bridge Deck Primer

Product information

Applications

Triflex Bridge Deck Primer is used for absorbent substrates on bridge deck boards made of concrete as per ZTV-ING, Part 7, Section 1 as a primer and seal with a PMMA resin base.

Properties

2-component primer with a polymethyl methacrylate resin (PMMA) base. Triflex Bridge Deck Primer offers the following features:

-
- Reacts quickly even with low temperatures
- Can still be applied when rel. humidity is high
- Compatible with standard torch-on bitumen membranes
- Heat-resistant when laying membrane with an open flame
- Bitumen welding membrane can be laid after only 50 min.
- Cured after 50 min.
- Solvent-free
- Initial testing as per TL/TP BEL-EP (1999)
- test report no. 190E-000310R01-PB01 of the KIWA Polymer Institute
- Tested membrane Börner OK 50 PB02A
- Tested membrane Vedapont[®] BE PB02B

Pack sizes

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Bridge Primer base resin
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
10.20 kg	10.60 kg	

Colours

Bluish

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Application instructions

Triflex Bridge Deck Primer and Triflex Bridge Deck SC can be applied at substrate and ambient temperatures between 0 °C and +35 °C. During application and curing, the substrate temperature must be at least +3 °C above the dew point temperature. Protect against condensation. In enclosed spaces, always ensure forced ventilation with a minimum of 7 air changes per hour.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that moisture cannot penetrate from underneath. Substrate adhesion must be tested on a case-by-case basis. Dryness must be tested through local heating in accordance with ZTV-ING Part 7.

Minimum tensile adhesion strength: 1.5 N/mm².

Use on asphalt is not permitted. For use on resin-modified mortars, an on-site compatibility test must be carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, add the correct quantity of catalyst and mix with a slow-running mixer until there are no more lumps. Stir for at least 3 min. Transfer to another receptacle and mix again.

Mixing ratio

At a temperature of:

Temperature	Catalyst added
0 °C	6 %
8 °C	4 %
23 °C	2 %
35 °C	1 %



Solutions based on H-PMMA Triflex Bridge Deck Primer

Product information

Material consumption

Smooth even surface

Priming on concrete:

Triflex Bridge Deck Primer is poured thickly onto the prepared concrete surface in a working step with min. 0.50 kg/m², spread with a cellular rubber spreader and rolled out evenly using a lambskin roller. The PMMA resin should be distributed so that material accumulations are prevented. While still fresh, the primer should be gritted with fire-dried quartz sand with a grain of 0.7–1.2 mm (max. 800 g/m²). Under all circumstances, avoid over-gritting.

Sealing on concrete:

Structure in accordance with ZTV-ING, Part 7, Section 1 In the first working step, the Triflex Bridge Deck Primer is applied in a volume of at least 0.50 kg/m². This layer of reactive resin must be sprinkled with fire-dried quartz sand with a grain of 0.7–1.2 mm and a volume of max. 0.80 kg/m² immediately after rolling. Under all circumstances, avoid over-gritting. Remove any gritting material that does not stick as soon as the curing state of this layer allows it. In a second working step, then apply the Triflex Bridge Deck Primer evenly in a volume of at least 600 g/m², distributed in such a way that material accumulations are prevented so that the grit is evenly sprinkled and the surface is evenly rough and appears closed. This surface is not gritted.

Scratch coat on concrete:

Before applying the Triflex Bridge Deck SC (scratch coat), the concrete surface must be primed with at least 0.50 kg/m² of Triflex Bridge Deck Primer; in this case, there is no need to grit the primer. If the prepared concrete has a roughness depth of greater than or equal to 1.5 mm, it must be smoothed out with a scratch coat of Triflex Bridge Deck SC as per ZTV-ING. The surface of the scratch coat should be gritted with fire-dried quartz sand with a grain of 0.7–1.2 mm (max. 800 g/m2). Under all circumstances, avoid over-gritting. Any gritting material which does not stick must be removed after the scratch coat has cured. The use of a scratch coat depends on the roughness depth of the concrete surface. The concrete surface must be dry. The dryness test is done through local heating with a hot-air fan or gun. Moist concretes will become much brighter here. In this case, no work must be carried out.

Top time

Approx. 15 min. at +20 °C

Drying time

Rainproof after: Can be walked on/	approx. 25 min. at +20 °C
coated with same product after:	approx. 45 min. at +20 °C
Final strength after:	approx. 50 min. at +20 °C

Further instructions

Note on laying with a BASt-approved bitumen welding membrane. When laying the bitumen welding membrane, note that the burner flame must also be run over the surface of the PMMA resin. Only heating the underside of the membrane is not sufficient for joining the bitumen welding membrane and the PMMA surface. The designs in the design instructions for the tested membranes must be noted here

Information on particular hazards

See safety data sheet, section 15

Safety advice

See safety data sheet, section 15

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Product information

Applications

Triflex Cryl Primer 222 is used as a primer on asphalt for Triflex systems with a PMMA resin base.

Properties

2-component primer with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Primer 222 offers the following features:

- Fast-curing
- Solvent-free

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Cryl Primer 222 base resin
0.40 kg	0.60 kg	Triflex Catalyst (4 x / 6 x 0.10 kg)
10.40 kg	10.60 kg	

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Primer 222 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 0.8 N/mm².

Use on mineral substrates is not permitted.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:

0°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalyst
+15°C to +35°C	10.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 0.40 kg/m² on a smooth, even surface



Product information

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:approx. 25 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Product information

Applications

Triflex Cryl Primer 276 is used as a primer on absorbent substrates, such as concrete or screed, for Triflex systems with a PMMA base.

Properties

2-component primer with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Primer 276 offers the following features:

Fast-curing

kg)

- Solvent-free

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Cryl Primer 276 base resin
0.40 kg	0.60 kg	Triflex Catalyst (4 x / 6 x 0.10 kg)
10.40 kg	10.60 kg	

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Primer 276 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm².

Use on asphalt is not permitted.

For use on resin-modified mortars, an on-site compatibility test must be carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:

0°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalyst
+15 °C to +35 °C	10.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 0.40 kg/m² on a smooth, even surface



Product information

Pot life

Approx. 15 mins. at +20 $^{\circ}\text{C}$

Drying time

Rainproof after:approx. 25 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Product information

Applications

Triflex Cryl Primer 280 is used as a primer on absorbent substrates, such as concrete or screed, for Triflex systems with a PMMA base and for substrate pre-treatment for pinholes.

Properties

2-component primer with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Primer 280 offers the following features:

- Fast-curing
- Solvent-free
- Joivent-nee
- Low viscosity

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Cryl Primer 280 base resin
0.40 kg	0.60 kg	Triflex Catalyst (4 x / 6 x 0.10 kg)
10.40 kg	10.60 kg	

Colours

White

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Primer 280 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. Triflex Cryl Primer 280 should not be used in enclosed spaces.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm².

Use on asphalt is not permitted.

For use on resin-modified mortars, an on-site compatibility test must be carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time 1 to 2 mins. maximum.

Mixing ratio

 Temperature range of:
 0 °C to +15 °C
 10.00 kg base resin + 0.60 kg catalyst

 +15 °C to +35 °C
 10.00 kg base resin + 0.40 kg catalyst

Material consumption

Without pinholes: Min. 0.40 kg/m² on a smooth, even surface 1 working step

With pinholes: Min. 0.80 kg/m² on a smooth, even surface 2 working steps a 0.40 kg Second working step after formation of non-stick surface



Product information

Pot life

Approx. 10 mins. at +20 $^{\circ}\text{C}$

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Product information

Applications

Triflex Cryl Primer 287 is used as a primer on absorbent substrates such as concrete, screed or wood for Triflex systems with a PMMA resin base.

Properties

2-component primer with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Primer 287 offers the following features:

- Fast-curing
- Solvent-free

Pack size

Solvent-free

Drum

Summer 10.00 kg <u>0.40 kg</u> 10.40 kg	Winter 10.00 kg 0.60 kg 10.60 kg	Triflex Cryl Primer 287 base resin Triflex Catalyst (4 x / 6 x 0.10 kg)
Container		
Summer 500.00 kg 20.00 kg 520.00 kg	Winter 500.00 kg <u>30.00 kg</u> 530.00 kg	Triflex Cryl Primer 287 base resin Triflex Catalyst (2 x / 3 x 10.00 kg)
Summer 910.00 kg <u>40.00 kg</u> 950.00 kg	Winter 910.00 kg <u>60.00 kg</u> 970.00 kg	Triflex Cryl Primer 287 base resin Triflex Catalyst (4 x / 6 x 10.00 kg)

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Primer 287 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm².

Use on asphalt is not permitted.

For use on resin-modified mortars, an on-site compatibility test must be carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

 Temperature range of:
 0°C to +5°C
 10.00 kg base resin + 0.60 kg catalyst

 +5°C to +15°C
 10.00 kg base resin + 0.40 kg catalyst

 +15°C to +35°C
 10.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 0.35 kg/m² on a smooth, even surface



Product information

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:approx. 25 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Primer Triflex Glass Primer

Product information

Applications

Triflex Glass Primer is used as a primer on unpolished glass substrates under various Triflex systems.

Properties

1-component glass primer. Triflex Glass Primer has the following properties:

- Fast-drying
- Fast recoating time
- Low viscosity

Pack size

Single can

750 ml Triflex Glass Primer

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Glass Primer can be applied at substrate and ambient temperatures between 0 $^\circ\text{C}$ and +35 $^\circ\text{C}.$

Preparation of the substrate

The substrate must be sound, dry and free of ice, loose particles, grease and oil. Substrate adhesion must be tested on a case-by-case basis.

Material consumption

Approx. 0.05 l/m² (50 ml) on a smooth, even surface



Drying time

Can be recoated after: approx. 15 min. at +20 $^{\circ}\text{C}$ Can be recoated until: approx. 3 hrs. at +20 $^{\circ}\text{C}$

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

Important note:

Special under-gloves must be worn when applying Triflex Glass Primer.







Primer Triflex Metal Primer

Product information

Applications

Triflex Metal Primer is used as a primer on various metals and rusty substrates.

Properties

Single-component, quickly recoatable metal primer with a high-grade alkyd resin base. Triflex Metal Primer offers the following features:

- Fast-drying
- Rust-inhibiting
- Low viscosity
- Lead- and chromate-free

Pack size

Spray can

0.40 I Triflex Metal Primer

Drum

3.00 I Triflex Metal Primer

Colours

Light grey

Storage

Can be stored unopened for approx. 24 months in a cool, dry place above 0°C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Metal Primer can be applied at substrate and ambient temperatures between +5 °C and +35 °C. The relative humidity must not exceed 85%.



Preparation of the substrate

The substrate must be dry and free of loose particles, grease and oil. For best adhesion results, remove rust, rust scale, mill scale and unstable old coatings. Where blasting is impractical, loose rust, rust scale and old paint layers should be removed with a scraper or wire brush. Stable old coatings should be roughened for better adhesion. Adhesion with stable old coatings must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Instructions for use

Before applying the product, stir or shake the contents until homogeneous. Apply or spray a thin layer of Triflex Metal Primer using a short-pile roller or a brush. Make sure the application layer is not too thick.

Spray primer at a distance of approximately 20 cm. Overspray can lead to contamination of the surrounding area. When you have finished using the spray, turn it upside down and spray briefly to prevent the uptake from clogging.

Once the Triflex Metal Primer has fully hardened, it can be further processed.

Important note:

Triflex Metal Primer reaches its full adhesive tensile strength after approx. 3 days. You should not attempt to cut it any earlier.

Primer Triflex Metal Primer

Product information

Mixing ratio

1-component

Material consumption

Approx. 0.08 to 0.10 $\textrm{l/m}^{2}$

Drying time

Can be recoated after: approx. 30 min. at +20 °C Spray can Can be recoated after: approx. 60 min. at +20 °C Roller / Brush

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Primer Triflex Pox Primer 116+

Product information

Applications

Triflex Pox Primer 116+ is used as a primer, a filling primer and a roughness depth levelling material, primarily in the Triflex CPS-C+ and Triflex CPS-I+ systems.

Properties

2-component primer with an epoxy resin (EP) base. Triflex Pox Primer 116+ has the following properties:

- Solvent-free
- Unpigmented
- Unfilled
- Low viscosity

Pack size

Drum

17,10 kg Triflex Pox Primer 116+ base resin 7,90 kg Triflex Pox Primer 116+ hardener 25,00 kg

Colours

Transparent

Storage

Shelf-stable for 12 months if stored dry and unopened within a temperature range of +10 °C to +25 °C. Keep away from direct sunlight and temperatures below the permissible range in storage and on the construction site.

Conditions for use

Triflex Pox Primer 116+ can be applied at substrate and ambient temperatures between +10 °C and +30 °C. The relative humidity must not exceed 75 %.



Preparation of the substrate

The substrate must be prepared by grinding, milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. The residual moisture in the substrate must not exceed 4 % by weight. Additional priming is required on highly absorbent substrates and with substrate moistures between 4-6 % by weight.

Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength:

For OS 8: in the centre, 2.0 N/mm². Individual value: no less than 1.5 N/mm². For OS 11: in the centre, 1.5 N/mm². Individual value: no less than 1.0 N/mm².

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Thoroughly mix the base resin before adding the corresponding quantity of hardener. Mix using a slow-running mixing machine for at least 3 min. Transfer to another receptacle and mix again for at least 2 min. Avoid stirring in air.

Any requisite additives or quartz sand should be weighed in advance and added during the first mix whilst the mixing machine is running. Ensure that all fillers and quartz are evenly distributed in the resin.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 46 parts by weight / base resin : hardener



Primer Triflex Pox Primer 116+

Product information

Material consumption

The volume depends on the system being used. The system description is the determining factor here.

Pot life

Approx. 15 min. at +20 °C

Drying time

Can be walked on after: Can be recoated after: Can be recoated within:

Mechanically resistant after:

Chemically resistant after:

approx. 24 hrs. at +20°C * approx. 7 days at +20°C

approx. 24 hrs. at +20 °C

approx. 12 hrs. at +20 °C

approx. 28 days at +20 °C

* The primed surface should be recoated within 12 to 24 hours. Further preparation by means of abrasion is not necessary during this period. After 24 hours, the surface must be carefully abraded prior to overcoating.

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Sata Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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X

Product information

Applications

Triflex Pox R 100 is used as a primer and to make:

- Scratch coats
- Thin mortar layersThick mortar layers
- Repair mortar

See also the product information for Triflex Pox Mortar.

Properties

2-component primer with an epoxy resin (EP) base. Triflex Pox R 100 offers the following features:

.....

- Solvent-free
- Unfilled
- Odourless
- Unpigmented
- Low viscosity

Pack size

Combination drums

0.69 kg	Triflex Pox R 100 base resin
0.31 kg	Triflex Pox R 100 hardener
1.00 kg	
5.53 kg	Triflex Pox R 100 base resin
2.47 kg	Triflex Pox R 100 hardener
8.00 kg	

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.





Conditions for use

Triflex Pox R 100 can be applied at substrate and ambient temperatures between +8 °C and +35 °C.

Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm²

The coating of asphalt is not possible.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

Firstly, completely empty the hardener into the container of the base resin. With a slow-running mixing machine, mix both components thoroughly. Stirring time at least 2 min. Transfer to another receptacle and mix again. Any requisite additives are weighed and added in with the mixing machine running.

For making mortars, see the product information for Triflex Pox Mortar.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 45 parts by weight/base resin: Hardener

Product information

Processing instructions

Apply Triflex Pox R 100 evenly using a Triflex universal roller and dress immediately with quartz sand in excess. (Volume of quartz sand, grain size 0.2-0.6 mm, at least 2.00 kg/m²)

See system description for volume of quartz sand in the Triflex ProDrain system.

Material consumption

Single layer of primer: minimum 0.30 kg/m² on a smooth, even surface Double layer of primer: minimum 0.60 kg/m² on a smooth, even surface

Load distribution in the Triflex ProDrain system: minimum 1.30 kg/m²

For mortar mixes, see the product information for Triflex Pox Mortar.

Pot life

Approx. 30 min. at +20 °C

Drying time

Rainproof after: Can be walked on/recoated after: approx. 12 hrs. at +20 °C Resistant after:

approx. 8 hrs. at +20 °C approx. 24 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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X

Product information

Applications

Triflex Pox R 103 is used as a primer on absorbent substrates such as concrete, screed or wood for Triflex systems with a PMMA resin base. Dressing with quartz sand is not necessary for intermediate layer adhesion. It is also possible – by adding fillers – to apply a levelling coat or mortar.

Properties

2-component primer with an epoxy resin (EP) base. Triflex Pox R 103 offers the following features:

Solvent-free

- Unfilled
- Odourless
- Unpigmented
- Onpignientet
- Low viscosity

Pack size

Combination drums

5.03 kg Triflex Pox R 103 base resin 2.77 kg Triflex Pox R 103 Hardener 7.80 kg

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Pox R 103 can be applied at substrate and ambient temperatures between +8 °C and +35 °C.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm².

The coating of asphalt is not possible.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Firstly, completely empty the hardener into the container of the base resin. With a slow-running mixing machine, mix both components thoroughly. Stirring time at least 2 min. Transfer to another receptacle and mix again. Any requisite additives are weighed and added in with the mixing machine running.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 55 parts by weight/base resin: Hardener

Material consumption

Min. 0.30 to 0.50 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C



Product information

Drying time

Rainproof after:approx. 8 hrs. at +20 °CCan be walked on/recoated after:approx. 12 hrs. at +20 °CResistant after:approx. 24 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Primer Triflex Primer 610

Product information

Applications

Triflex Primer 610 is a fast-drying primer for universal use in improving adhesion on problematic substrates. The primer can be applied with a brush or a roller or by spraying.

Properties

Single-component, fast-curing, liquid bonding agent for FPO plastic and EPDM rubber membranes.

Pack size

Metal bottle

0.10 I Triflex Primer 610 0.50 I Triflex Primer 610

Colours

Yellowish

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Primer 610 can be applied at substrate and ambient temperatures between +5 $^\circ C$ and +35 $^\circ C.$

Preparation of the substrate

The substrates to be primed must be sound, dry and free of loose or adhesion-reducing particles. Substrate adhesion must always be tested beforehand, or the Triflex technical department should be contacted.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.



Material consumption

Approx. 40 to 80 g/m² depending on area of use, on a smooth, even surface.

Drying time

Rainproof after: approx. 20 min. at +20 °C Can be recoated after: approx. 20 min. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Primer Triflex Primer 791

Product information

Applications

Triflex Primer 791 is used as a primer in the Triflex SmartTec System on rigid PVC elements.

Properties

Single-component primer with an acrylate dispersion base. Triflex Primer 791 offers the following features:

- Single-component
- Easy to use
- Fast-drying

Pack sizes

Plastic can

0.60 kg Triflex Primer 791

Colours

Grey

Storage

Store in a dry place at temperatures between +10 °C and +30 °C. Shelf life of 6 months if unopened. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Primer 791 can be applied at substrate and ambient temperatures between +10 $^{\circ}C$ and +30 $^{\circ}C.$

Preparation of the substrate

The substrate must be free of loose or adhesion-reducing particles. The substrate should have a minimum temperature of +10 °C.

Mixing instructions

Stir Triflex Primer 791 thoroughly before application. The material can then be applied directly.



Material consumption

Approx. 0.20 kg/m² on a smooth, even surface

Drying time

Approx. 40 mins. at +20 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General information

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Adhesive Triflex TecGrip 620

Product information

Applications

Triflex TecGrip 620 is used as a bonding agent on Triflex SmartTec sealants. This product can be used to pre-treat SmartTec layers to material that is 24 hours old and up to 100 days old. It should be checked on site whether pre-treatment on older surfaces is possible. Once the bonding agent has dried, it can be connected with Triflex SmartTec.

Properties

Triflex TecGrip 620 offers the following features:

- 1-component
- Easy to use
- Fast-curing

Pack sizes

Plastic bottle

0.50 I Triflex TecGrip 620

Colours

Orange-brown

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above freezing. Store at temperatures between +10 °C and +30 °C. Keep out of direct sunlight when in storage and on the construction site.

Conditions for use

Triflex TecGrip 620 can be applied at substrate and ambient temperatures between +5 °C and +30 °C.

Preparation of the substrate

The area to be treated must be free of loose or adhesion-reducing particles.

Mixing instructions

The product can be applied immediately after the container has been opened.

Application instructions

The bonding agent is applied by rolling it onto the surface where it forms a film. For vertical surfaces, the material must be applied in two work steps. Due to the intrinsic colour, it's important to ensure that the masking tape is placed as accurately as possible, especially with light background colours.





Material consumption

Approx. 0.10 l/m² on a smooth, even surface

Drying time

Approx. 25 mins. at +20 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Primer Triflex Than Primer 533

Product information

Applications

Triflex Than Primer 533 is used as a primer on PVC substrates for Triflex SmartTec products.

Properties

Triflex Than Primer 533 is a 1-component, solvent-containing primer with a polyurethane base for Triflex SmartTec products. Triflex Than Primer 533 offers the following features:

- Fast-drying
- Fast recoat time
- Liquid form

Pack size

Metal canister

0.40 litres Triflex Than Primer 533

Colours

Brownish

Storage

Can be stored unopened for approx. 12 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Conditions for use

Triflex Than Primer 533 can be applied at substrate and ambient temperatures of between +10 °C and +35 °C.

Preparation of the substrate

The substrate must be sound, dry and free of ice, loose and/or adhesionreducing particles, grease and oil. Substrate adhesion must be tested on a case-by-case basis.



Material consumption

Approx. 100 ml/m² on a smooth, even surface

Drying time

Can be recoated after: approx. 20 mins.to max. 12 hrs at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.



Primer **Triflex Towersafe Primer**

Product information

Applications

Triflex Towersafe Primer is used as a primer on concrete or other mineral substrates. Triflex Towersafe Primer features very reliable application and high adhesive tensile strength on concrete.

Properties

Triflex Towersafe Primer is a 2-component, fast-curing primer with a polymethyl methacrylate resin (PMMA) base. Triflex Towersafe Primer offers the following features:

.....

..... Unpigmented

- Unfilled
- Low viscosity
- Fast-curing
- Very reliable application
- High adhesive tensile strength

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Towersafe Primer base resin
0.40 kg	0.60 kg	Triflex Catalyst (4 x / 6 x 0,10 kg)
10.40 kg	10.60 kg	

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Towersafe Primer can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C.



Preparation of the substrate

The substrate must be prepared by grinding, milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath.

Substrate adhesion must be tested on a case-by-case basis. Minimum tensile adhesion strength: 1.5 N/mm². For use on resin-modified mortars, an on-site compatibility test must be

carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.

Mixing ratio

Temperature range of:

0°C bis +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C bis +15°C	10.00 kg base resin + 0.40 kg catalyst
+15 °C bis +35 °C	10.00 kg base resin + 0.20 kg catalyst

Material consumption

Minimum 0.40 kg/m² on a smooth, even surface

Pot life

Approx. 15 min. at +20 °C



Primer Triflex Towersafe Primer

Product information

Drying time

Rainproof after:approx. 25 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Re-profiling Triflex Asphalt Repro 3K

Product information

Applications

Triflex Asphalt Repro 3K is used for durable repairs on roads and pavements. The mortar can be used for filling, bonding and re-profiling asphalt surfaces, e.g. for ruts, potholes and defects.

The material can be mixed with a ratio of 1:3 to give it flowable consistency for coating surfaces, or 1:6 to give it a plastic consistency, e.g. for filling potholes.

Properties

3-component, pigmented, fast-curing binder (PMMA). Triflex Asphalt Repro 3K offers the following features:

- High durability
- Mechanically strong and wear-resistant
- Can be driven over guickly
- Flexible application options
- Various layer thicknesses
- Solvent-free
- Crack-bridging (static) up to 0.8 mm
- Resistant to rutting, certified as per TP Asphalt-StB (test specifications for asphalt) part 22
- High wear resistance, tested as per CEN/TS 12697-50 "Darmstädter Rad" test method
- High resistance to deformation as per TP Asphalt-StB part 20
- No measurable water absorption

Pack size

Drum / paper sack

Mix 1:6: Summer 4.00 kg 24.00 kg 0.10 kg 28.10 kg	Winter 4.00 kg 24.00 kg <u>0.20 kg</u> 28.20 kg	Triflex Repro R base resin Triflex Asphalt Repro S powder (2 x 12.00 kg) Triflex Catalyst Triflex Asphalt Repro 3K (mix 1:6)
Mix 1:3: Summer 4.00 kg 12.00 kg 0.10 kg 16.10 kg	Winter 4.00 kg 12.00 kg <u>0.20 kg</u> 16.20 kg	Triflex Repro R base resin or Triflex Repro R thix base resin Triflex Asphalt Repro S powder Triflex Catalyst Triflex Asphalt Repro 3K (mix 1:3)

Colours

7021 Black grey



Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Asphalt Repro 3K can be applied at substrate and ambient temperatures between 0° C and $+35^{\circ}$ C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

Primer: Triflex Cryl Primer 222 should be used on fresh road surfaces or bituminous surfaces. All substrates must be sound, dry and free of loose or adhesion-reducing particles. Any residual moisture must be removed with a cold air blower. If using a torch, keep it a good distance from the surface. Pretreat metal substrates with Triflex Cleaner, then abrade lightly. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Tab. 1). See dew point table.

Mixing instructions

For use in the 1:6 mix, 24 kg of Triflex Asphalt Repro S powder is mixed into 4 kg of Triflex Repro R base resin with the slow-running mixing machine until there are no more lumps.

For use in the 1:3 mix, 12 kg of Triflex Asphalt Repro S powder is mixed into 4 kg of Triflex Repro R base resin with the slow-running mixing machine until there are no more lumps. It is imperative that the resin be put in first. The corresponding Triflex Catalyst is then also added into the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Make sure that the mixed repair compound is homogeneous. We recommend using a double-paddle mixer. A single-paddle mixer is not adequate for homogeneous mixing results.

Re-profiling Triflex Asphalt Repro 3K



Product information

Material consumption

Approx. 2.00 kg/m² per mm thickness on a smooth even surface. Coverage rate may vary depending on the nature of the substrate.

Pot life

Approx. 10 min. at +20 °C Approx. 15 min. at +5 °C

Drying time

Rainproof after: Resistant after / can be steamrolled after:

approx. 25 min. at +20 °C approx. 30 min. at +20 °C

Gradients

For gradients greater than 2 %, it is recommended to use Triflex Repro R thix base resin. The mixing ratio with the powder component and the addition of catalyst remain the same. Only the resin component is changed. If you order the thixotropic consistency, you will automatically be supplied with the correct resin component.

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Solutions based on H-PMMA **Triflex Bridge Deck SC**

Product information

Applications

Triflex Bridge Deck SC is used as a system-tested scratch coat in the Bridge Deck System as per TL/TP-BEL - EP. It can be used with a roughness depth of up to 5 mm.

Properties

2-component, unpigmented, prefabricated scratch coat with a polymethyl methacrylate resin (PMMA) base. Triflex Bridge Deck SC offers the following features:

.....

Fast-curing

- Solvent-free
- Rapidly resistant
- (Weather-resistant)
- Preset MV 1:4
- · Removal of partial quantities possible
- Can still be applied when rel. humidity is high
- · Compatible with standard torch-on bitumen membranes
- · Heat-resistant when laying membrane with an open flame
- Bitumen welding membrane can be laid after only 50 min.
- Initial testing as per TL/TP BEL-EP (1999)
- Test report no. 190E-000310R01-PB01 of the KIWA Polymer Institute

Pack sizes

Drum

Summer	Winter	
25.00 kg	25.00 kg	Triflex Bridge Deck SC
0.50 kg	1.50 kg	Triflex Catalyst (5 x / 15 x 0.10 kg)
25.50 kg	26.50 kg	

Colours

Transparent-yellowish

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Application instructions

Triflex Bridge Deck SC can be applied at substrate and ambient temperatures between 0 °C and +35 °C. During application and curing, the substrate temperature must be at least +3 °C above the dew point temperature. Protect against condensation. In enclosed spaces, always ensure forced ventilation with a minimum of 7 air changes per hour.



Preparation of the substrate

The substrate must be prepared by milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that moisture cannot penetrate from underneath. Substrate adhesion must be tested on a case-by-case basis. Dryness must be tested through local heating in accordance with ZTV-ING Part 7.

Minimum tensile adhesion strength: 1.5 N/mm².

Use on asphalt is not permitted. For use on resin-modified mortars, an on-site compatibility test must be carried out.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, add the correct quantity of catalyst and mix with a slow-running mixer until there are no more lumps. Stir for at least 3 min. Transfer to another receptacle and mix again.

Mixing ratio

At a temperature of:

Temperature	Catalyst added
0 °C	6 %
8 °C	4 %
23 °C	2 %
35 °C	1 %


Solutions based on H-PMMA Triflex Bridge Deck SC

Product information

Material consumption

Scratch coat on concrete:

Before applying the Triflex Bridge Deck SC (scratch coat), the concrete surface must be primed with at least 0.50 kg/m² of Triflex Bridge Deck Primer; in this case, there is no need to grit the primer. If the prepared concrete has a roughness depth of greater than or equal to 1.5 mm, it must be smoothed out with a scratch coat of Triflex Bridge Deck SC as per ZTV-ING. The surface of the scratch coat should be gritted with fire-dried quartz sand with a grain of 0.7–1.2 (max. 800 g/m²). Under all circumstances, avoid over-gritting. Any gritting material which does not stick must be removed after the scratch coat has cured. The use of a scratch coat depends on the roughness depth of the concrete surface. The concrete surface must be dry. The dryness test is done through local heating with a hot-air fan or gun. Moist concretes will become much brighter here. In this case, no work must be carried out.

Top time

Approx. 15 min. at +20 °C

Drying time

Rainproof after:	approx. 25 min. at +20 °C
Can be walked on/	
coated with same product after:	approx. 45 min. at +20 °C
Final strength after:	approx. 50 min. at +20 °C

Further instructions

Note on laying with a BASt-approved bitumen welding membrane. When laying the bitumen welding membrane, note that the burner flame must also be run over the surface of the PMMA resin. Only heating the underside of the membrane is not sufficient for joining the bitumen welding membrane and the PMMA surface.

Information on particular hazards

See safety data sheet, section 15

Safety advice

See safety data sheet, section 15

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the wide variety of on-site requirements and conditions, the user is required to test the product's suitability for the particular purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

Non-Triflex products must not be used with the systems.

Re-profiling Triflex Concrete Repro 3K

Product information

Applications

Triflex Concrete Repro 3K is used for durable repairs on roads and pavements. The mortar can be used for filling, bonding and re-profiling concrete surfaces, e.g. for filling holes and voids, re-profiling edges and levelling out surfaces.

Properties

3-component, pigmented, fast-curing binder (PMMA). Triflex Concrete Repro 3K offers the following features:

- High durability
- Mechanically strong and wear-resistant
- Can be driven over quickly
- Flexible application options
- Can be worked to different various layer thicknesses
- Solvent-free

Pack size

Drum / paper sack

flex Repro R base resin
flex Concrete Repro S powder
flex Catalyst
flex Concrete Repro 3K

Colours

7038 Agate grey

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Concrete Repro 3K can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

Primer: Triflex Cryl Primer 276/287 is used as a primer to ensure substrate adhesion on absorbent substrates such as concrete or screed. All substrates must be sound, dry and free of loose or adhesion-reducing particles. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Tab. 1). See dew point table.

Mixing instructions

24 kg of Triflex Concrete Repro S powder is mixed into 4 kg of Triflex Repro R base resin with the slow-running mixing machine until there are no more lumps. Next, the corresponding Triflex Catalyst is added into the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of: 0 °C to +15 °C +15 °C to +35 °C

4.00 kg base resin + 0.20 kg catalyst 4.00 kg base resin + 0.10 kg catalyst

Material consumption

Approx. 2.00 kg/m² per mm thickness on a smooth even surface. Coverage rate may vary depending on the nature of the substrate.

Pot life

Approx. 10 min. at +20 °C Approx. 15 min. at +5 °C

Re-profiling Triflex Concrete Repro 3K

Product information

Drying time Rainproof after: approx. 25 min. at +20 °C Resistant after /can be driven over after: approx. 30 min. at +20 °C Notes on special hazards see Safety Data Sheet, section 2 Safety tips Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose.

Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.



Repairing Triflex Cryl Level 215+

Product information

Applications

Triflex Cryl Level 215+ is a fast-curing, highly durable repair mortar for repairs to screeds and for improvement work in exterior areas with thicknesses of 5 mm to 50 mm underneath waterproofing and coating systems.

- Reactive mortar for making covings or sloping screeds in combination with balconies, terraces etc.
- Rapid repair mortar for damaged concrete or cement screeds, stairs, kerbs and the like. Thickness >5 mm

Properties

2-component rapid screed with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Level 215+ offers the following features:

Workable

- Fast-curing
- Mostbar resistant
- Weather-resistantWear-resistant
- Wear-resistant
- Withstands high mechanical loads
- Solvent-free
- UV-resistant

Pack size

Drum/paper sack

25.00 kg	Triflex Cryl Level 215 R base resin
275.00 kg	Triflex Cryl Level 215+ S powder (11 x 25.00 kg)

300.00 kg = Triflex Cryl Level 215+

Colours

Unpigmented

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Level 215+ can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The pre-treated, primed substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Primer

Triflex Cryl Primer 276 for concrete and cement screeds

Mixing instructions

25.00 kg (1 sack) Triflex Cryl Level 215+ S is mixed with 2.30 kg (= 2.38 l) Triflex Cryl Level 215 R in the slow-running mixing machine until there are no more lumps.

It is not necessary to add a catalyst! Stirring time at least 2 min. Suitable hand mixer: e.g. Protool MXP 1000 E EF or Collomix Xo. The 3000-ml measuring beaker (for Triflex Cryl Level 215+) is used to measure the resin.

Mixing ratio

The mixing ratio corresponds to the pack size. 1 : 11 parts by weight/base resin: powder.





Repairing Triflex Cryl Level 215+

Product information

Instructions for use

After application, Triflex Cryl Level 215+ has to be compressed and levelled with a float.

Important note:

In uncertain weather conditions, Triflex Cryl Level 215+ should be protected with additional measures, e.g. top-side priming with Triflex Cryl Primer 276.

Material consumption

Approx. 2.20 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 1 hr. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Product information

Applications

Triflex Cryl RS 240 is a fast-curing, heavy-duty repair mortar for repairs to screeds and improvement work in exterior areas for thicknesses of 5 mm to 50 mm.

- Rapid repair mortar for damaged concrete or cement screeds, stairs, kerbs and the like. Thickness >5 mm
- Reactive mortar for making covings or sloping screeds
- Synthetic resin coating for heavy-duty concrete substrates like loading ramps. Thickness >5 mm

Properties

2-component pigmented polymer mortar with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl RS 240 offers the following features:

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- Workable
- Fast-curing
- Weather-resistant
- Wear-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads
- Solvent-free
- UV-resistant

Pack size

Drum/paper sack

 2.25 kg
 Triflex Cryl R 240 base resin

 20.00 kg
 Triflex Cryl S 240 powder

 22.25 kg
 = Triflex Cryl RS 240

Colours

7023 Concrete grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Cryl RS 240 can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The pre-treated, primed substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Primer

Triflex Cryl Primer 276 for concrete and cement screeds

Mixing instructions

20 kg Triflex Cryl S 240 powder is mixed with 2.25 kg Triflex Cryl R 240 base resin in the slow-running mixing machine until there are no more lumps. It is not necessary to add a catalyst! Stirring time at least 2 min.

Mixing ratio

The mixing ratio corresponds to the pack size. 2.25 : 20 parts by weight/base resin: powder





Product information

Material consumption

Approx. 2.20 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °CResistant after:approx. 1 hr. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2



Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Product information

Applications

Triflex Cryl RS 242 is used for repairing and levelling work on asphalt coverings with layer thicknesses of 5 to 50 mm.

Properties

2-component polymer mortar with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl RS 242 offers the following features:

- Workable
- vvorkable
 Fast-curing
- Weather-resistant
- Pigmented
- Wear-resistant
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum/paper sack

 2.25 kg
 Triflex Cryl R 242 base resin

 20.00 kg
 Triflex Cryl S 242 powder

 22.25 kg

Colours

7022 Umbra grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Cryl RS 242 can be used at substrate and ambient temperatures of a minimum of $+3^{\circ}$ C and a maximum of $+35^{\circ}$ C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The pre-treated, primed substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Primer

Triflex Cryl Primer 222 for asphalt substrates

Mixing instructions

20 kg Triflex Cryl S 242 powder is mixed with 2.25 kg Triflex Cryl R 242 base resin in the slow-running mixing machine until there are no more lumps. It is not necessary to add a catalyst! Stirring time at least 2 min.

Mixing ratio

The mixing ratio corresponds to the pack size. 2.25 : 20 parts by weight/base resin: powder

Product information

Material consumption

Approx. 2.20 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Can be walked on/recoated after: approx. 1 hr. at +20 $^{\circ}\text{C}$ Resistant after:

approx. 45 min. at +20 °C approx. 2 hrs. at +20 °C

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Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Repairing Triflex Cryl Paste

Product information

Applications

Triflex Cryl Paste is used to level out any unevenness in the substrate and any fleece overlaps or depressions in Triflex systems as well as for the adhesive bonding of profiles.

Properties

2-component pigmented paste with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Paste offers the following features:

-
- Fast-curing
- Solvent-free

Pack size

Drum

5.00 kg	Triflex Cryl Paste
0.30 kg	Triflex Catalyst (3 x 0.10 kg)
5.30 kg	
15.00 kg	Triflex Cryl Paste
0.90 kg	Triflex Catalyst (9 x 0.10 kg)

Colours

15.90 kg

7032 Pebble grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Paste can be used at substrate and ambient temperatures of a minimum of 0°C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Transfer to another receptacle and mix again.

Mixing ratio

 Temperature range of:

 0 °C to +25 °C
 15.00 kg

 +25 °C to +35 °C
 15.00 kg

15.00 kg base resin + 0.90 kg catalyst 15.00 kg base resin + 0.60 kg catalyst

Material consumption

Approx. 1.40 kg/m² per mm thickness on a smooth even surface

Pot life

Approx. 10 min. at +20 °C

Drying time

Rainproof after: approx. 30 min. at +20 °C Can be walked on/recoated after: approx. 1 hr. at +20 °C



Repairing Triflex Cryl Paste

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Sealing mortar Triflex Cryl Sealing Mortar

Product information

Applications

Triflex Cryl Sealing Mortar is used for:

- Sealing rework of the details when installing or repairing (subsidence) gully covers and water drains in road surfaces.
- Sealing the joints after laying contact loops (induction loops); drill core sealing.
- Sealing concrete pipe sleeves, joints and pipe connections.
- Sealing depressions, details when installing or repairing newel posts and water drains in balconies.

Properties

2-component pigmented sealing mortar with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Sealing Mortar offers the following features:

.....

- Surface levelling
- Fast-curing
- Weather-resistant
- Waterproof
- Flexible
- Wear-resistant
- Solvent-free
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum/paper sack

5.00 kgTriflex Cryl Sealing Mortar R base resin20.00 kgTriflex Cryl Sealing Mortar S powder25.00 kgTriflex Cryl Sealing Mortar S powder

Colours

7021 Black grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Cryl Sealing Mortar can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

20 kg Triflex Cryl Sealing Mortar S powder is mixed with 5.00 kg Triflex Cryl Sealing Mortar R base resin in the slow-running mixing machine until there are no more lumps. It is not necessary to add a catalyst! Stirring time at least 2 min. Transfer to another receptacle and mix again.

Mixing ratio

The mixing ratio corresponds to the pack size. 1 : 4 parts by weight/base resin : powder

Material consumption

Approx. 1.90 kg/l on a smooth, even surface

Sealing mortar Triflex Cryl Sealing Mortar

approx. 30 min. at +20 °C

approx. 1 hr. at +20 °C

Product information

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after:

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Repairing Triflex Easy Repair Set Asphalt



Product information

Applications

Triflex Easy Repair Set Asphalt is used with layer thicknesses of 5 to 50 mm for repairing and levelling work on asphalt coverings.

Properties

2-component polymer mortar with a polymethyl methacrylate resin (PMMA) base. Triflex Easy Repair Set Asphalt offers the following features:

-
- Fast-curing
- Weather-resistant
- Pigmented
- Wear-resistant
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum

 1.25 kg
 Triflex Easy Repair Asphalt base resin

 10.00 kg
 Triflex Easy Repair Asphalt powder

 11.25 kg
 Triflex Easy Repair Asphalt powder

It is not necessary to add a catalyst!

Colours

7022 Umbra grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Easy Repair Set Asphalt can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The pre-treated substrates must be sound, dry and free of loose or adhesionreducing particles. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

10 kg powder is mixed into 1.25 kg base resin with a slow-running mixing machine until it has a smooth consistency. It is not necessary to add a catalyst! Stirring time at least 2 min.

Mixing ratio

The mixing ratio corresponds to the pack size. 1.25 : 10 parts by weight/base resin: powder

Repairing Triflex Easy Repair Set Asphalt



Product information

Material consumption

Approx. 2.00 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Approx. 15 min at +20°C

Drying time

Rainproof after: Resistant after: approx. 30 min. at +20 °C approx. 45 min. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Repairing Triflex Easy Repair Set Concrete



Product information

Applications

Triflex Easy Repair Set Concrete is used with layer thicknesses of 5 to 50 mm for repairing and levelling work on concrete coverings.

Properties

2-component polymer mortar with a polymethyl methacrylate resin (PMMA) base. Triflex Easy Repair Set Concrete offers the following features:

-
- Fast-curing
- Weather-resistant
- Pigmented
- Wear-resistant
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum

 1.25 kg
 Triflex Easy Repair Concrete base resin

 10.00 kg
 Triflex Easy Repair Concrete powder

 11.25 kg
 Triflex Easy Repair Concrete powder

It is not necessary to add a catalyst!

Colours

7023 Concrete grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Easy Repair Set Concrete can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The pre-treated substrates must be sound, dry and free of loose or adhesionreducing particles. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

10 kg powder is mixed into 1.25 kg base resin with a slow-running mixing machine until it has a smooth consistency. It is not necessary to add a catalyst! Stirring time at least 2 min.

Mixing ratio

The mixing ratio corresponds to the pack size. 1.25 : 10 parts by weight/base resin: powder

Repairing Triflex Easy Repair Set Concrete



Product information

Material consumption

Approx. 2.00 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after: approx. 30 min. at +20 °C approx. 45 min. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Repairing Triflex FrameGrout

Product information

Applications

Triflex FrameGrout is used for filling manhole frames when refurbishing manhole covers and can be used for both conventional and self-levelling roll-in manhole covers.

Properties

2-component pigmented sealing mortar with a polymethyl methacrylate resin (PMMA) base. Triflex FrameGrout offers the following quality features:

......

- No damage to the newly refurbished shaft head due to compression work
- Fast-curing: The maximum final strength is achieved in just 30 min.
- Resistant to frost and de-icing salt
- Retains its volume
- Watertight
- Solvent-free
- Filling and connection to the road surface performed in one working step
- · Filling and connection to the road surface using just one product
- Can be applied all year round
- Weather-resistant
- Very good flowability
- Wear-resistant
- UV-resistant
- · Withstands high mechanical loads

Pack sizes

Drum/paper sack

2.50 kg	Triflex FrameGrout R base resin
20.00 kg	Triflex FrameGrout S powder
22.50 kg	

*Triflex FrameGrout R base resin is produced according to the season in summer or winter formulations. See product label.

It is not necessary to add a catalyst, as it is already contained in the powder component.

Colours

7022 Dark grey

Storage

Can be stored unmixed for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex FrameGrout can be applied at substrate and ambient temperatures between +5 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum of 7 air changes per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

Triflex FrameGrout R and Triflex FrameGrout S are mixed with a mixing ratio of 1:8 in a slow-running mixing machine until there are no more lumps. It is not necessary to add a catalyst, as it is already contained in the powder component. Mixing time: at least 2 min.

Material consumption

Approx. 2.20 kg/m² per mm thickness on a smooth even surface. Volume with a minimum layer thickness of 5 mm: approx. 11 kg/m².

Pot life

Summer formulation:approx. 15 min. at $+20 \,^{\circ}\text{C}$ Winter formulation:approx. 20 min. at $+5 \,^{\circ}\text{C}$





Repairing Triflex FrameGrout

Product information

Drying time

Summer formulation: Rainproof after: approx. 20 min. at +20 °C Resistant/can be driven over after: approx. 35 min. at +20 °C

Winter formulation: Rainproof after: approx. 25 min. at +5 °C Resistant/can be driven over after: approx. 35 min. at +5 °C

Tensile bending strength and compressive strength

Compressive strength as per DIN EN 196-1:2005-05:	58.55 N/mm ²
Tensile bending strength as per DIN EN 196-1:2005-05:	15.35 N/mm ²

Resistance to frost and de-icing salt

The product is resistant to frost and de-icing salt.

Removal of the tubular formwork

The tubular formwork must be greased with Triflex Release Agent before use.

The tubular formwork can be removed after just 15 min. at +20 °C.

Information on particular hazards

See safety data sheet, section 2

Safety advice

See safety data sheet, sections 7 and 8

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the wide variety of on-site requirements and conditions, the user is required to test the product's suitability for the particular purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

X

Repairing Triflex Pox Mortar

Product information

Applications

Triflex Pox Mortar is used:

- To apply thin mortar layers
- To apply thick mortar layers
- To apply repair mortar

Properties

Triflex Pox Mortar is a mixture of Triflex Pox R 100 or alternatively Triflex Pox Primer 116+ and flame-dried quartz sand.

Pack size

Combination drums

5.53 kg <u>2.47 kg</u> 8.00 kg	Triflex Pox R 100 base resin Triflex Pox R 100 Hardener
Drum	
17.10 kg 7.90 kg 25.00 kg	Triflex Pox Primer 116 + base resin Triflex Pox Primer 116+ hardener
Paper sack	
25.00 kg	Quartz powder up to 0.1 mm
25.00 kg	Quartz sand 0.1-0.3 mm
25.00 kg	Quartz sand 0.2-0.6 mm
25.00 kg	Quartz sand 0.7-1.2 mm
25.00 kg	Quartz sand 1.0-2.0 mm
25.00 kg	Quartz gravel 2.0-3.0 mm

Colours

Triflex Pox R 100: Triflex Pox Primer 116+: Transparent Transparent

Storage

Is shelf stable for approx. 12 months if stored unopened and unmixed in a cool, dry place above freezing. Keep away from direct sunlight and temperatures below the permissible range in storage and on the construction site.



Conditions for use

Triflex Pox Mortar can be applied at substrate and ambient temperatures between +10 °C and +30 °C. The relative humidity must not exceed 75 %.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

The coating of asphalt is not possible.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

The mixing ratio corresponds to the pack size. Thoroughly mix the base resin before adding the corresponding quantity of hardener. Mix using a slow-running mixing machine. Stirring time at least 2 min.

Transfer to another receptacle and mix again.

The prepared resin mixture and the requisite amount of quartz components are thoroughly mixed with a positive mixer or a rotary mixer. The mortar is applied to the still-wet primer.



Repairing **Triflex Pox Mortar**

Product information

Mixing ratio

Surface levelling

Mixing ratio	Pox R 100	Quartz sand 1-2 mm	Quartz sand 0.7-1.2 mm	Quartz sand 0.2-0.6 mm	Quartz powder up to 0.1 mm	Entire mixture
1:5	8.00 kg	16.00 kg	12.00 kg	6.00 kg	6.00 kg	48.00 kg
1:6	8.00 kg	19.20 kg	14.40 kg	8.40 kg	6.00 kg	56.00 kg
1:7	8.00 kg	22.40 kg	16.80 kg	10.80 kg	6.00 kg	64.00 kg
1:8	8.00 kg	25.60 kg	19.20 kg	13.20 kg	6.00 kg	72.00 kg
1:9	8.00 kg	28.80 kg	21.60 kg	15.60 kg	6.00 kg	80.00 kg
1:10	8.00 kg	32.00 kg	24.00 kg	18.00 kg	6.00 kg	88.00 kg

Scratch coat

Mixing ratio	Roughness depth	Pox R 100 / Pox Primer 116+	Quartz sand 0.1-0.3 mm*	Quartz sand 0.2-0.6 mm*
1:1 to 1:1.5	0.5 to 1.0 mm	25.00 kg	25.00 kg	-
1 : 1 to 1 : 1.5	1.0 to 10 mm	25.00 kg	-	25.00 kg

*) The user must check the exact amount on a case-by-case basis. The quartz sand grading curve must be adjusted on-site, if necessary

Coarse fillings

(e.g. damaged spots, joint faces etc.)

Quartz gravel 2.0-3.0 mm	40 parts by weight
Quartz sand 0.2-0.6 mm	30 parts by weight
Quartz powder up to 0.1 mm	20 parts by weight
	90 parts by weight
Triflex Pox R 100 or Triflex Pox Primer 116+	10 parts by weight

Material consumption

Min. 2.20 kg/m² per mm thickness on a smooth even surface

Pot life

Approx. 20 min. at +20 °C

Drying time

Rainproof after:	approx. 8 hrs. at +20 °C
Can be walked on/recoated after:	approx. 12 hrs. at +20 °C
Can be recoated up to:	approx. 24 hrs. at +20 °C
Is mechanically resistant after:	approx. 7 days at +20 °C
Resistant to chemicals after:	approx. 28 days at +20 °C

°C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

100 parts by weight

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The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

X

Waterproofing Triflex ProDetail®

Product information

Applications

Triflex ProDetail is used for details on flat roofs, balconies, terraces and covered walks as well as parking decks.

Properties

2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Triflex ProDetail is reinforced with Triflex Special Fleece and offers the following features:

- Seamless
 - Flexible in low temperatures
 - Vapour-permeable
 - Fast-curing
 - Solvent-free
 - Extremely weather-resistant (UV, IR, etc.)
 - Excellent adhesion properties on a multitude of substrates
 - Elastic and crack-bridging
 - Mechanically strong and wear-resistant
 - Root-resistant according to FLL test methods
 - · Resistant to media generally present in air and rainwater
 - · Hydrolysis and alkali resistant
- General Building Supervisory Authority Test Certificate (abP) for liquid applied waterproofing of building structures set out in PG-FLK according to the Building Regulations List A, Part 2, No. 2.51 and VV TB No. C 3.28
 Resistant to sparks and radiant heat in compliance with
- DIN EN 13501-5: B_{ROOF} (t1), B_{ROOF} (t2), B_{ROOF} (t3), B_{ROOF} (t4)
- Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Assessment according to ETAG 005 with CE mark
- Is a hard roofing product in accordance with the German regional
- building regulations

Pack size

Drum

Summer	Winter	
15.00 kg	15.00 kg	Triflex ProDetail base resin *
0.30 kg	0.60 kg	Triflex Catalyst (3 x / 6 x 0,10 kg)
15.30 kg	15.60 kg	

* Triflex ProDetail base resin is produced according to the season in summer or winter formulations. See product label.

Colours

7030 Stone Grey 7032 Pebble grey 7035 Light grey 7043 Traffic grey B



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProDetail can be applied at substrate temperatures of between -5 °C and +50 °C and ambient temperatures of between -5 °C and +40 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Small amounts can be mixed with a stick.

Mixing ratio

Temperature range of:

5°C to +5°C	15.00 kg base resin + 0.60 kg catalyst
-5°C to +15°C	15.00 kg base resin + 0.60 kg catalyst
-15 °C to +40 °C	15.00 kg base resin + 0.30 kg catalyst

Waterproofing Triflex ProDetail®

Product information

Material consumption

Minimum 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after: approx. 30 min. at +20 °C Can be walked on/recoated after: approx. 45 min. at +20 °C

Resistance to chemicals

Acetic acid up to 10 %	++	Liquid ammonia	++
Ammonia up to 10 %	++	Lubricant	++
Ammonium chloride	++	Mineral oil	++
Ammonium sulphate	++	Nitric acid up to 10 %	++
Animal fats	++	Olive oil	++
Apple juice	++	Orange juice	++
Calcium chloride	++	Oxalic acid	++
Castor oil	++	Paraffin oil	++
Caustic potash solution up to 50 %	++	Petroleum	++
Cellulose thinner	++	Phosphoric acid up to 30 %	++
Chlorinated lime	++	Potassium chloride	++
Citric acid up to 30 %	++	Regular petrol	±
Crude oil	++	Sea water	++
Detergent	++	Sodium carbonate	++
Dettol up to 5 %	±	Sodium chloride	++
Diesel oil	++	Sodium hydroxide solution up to 50 %	6++
Formic acid 10 %	±	Sodium sulphate	++
Hydraulic oils	++	Sulphuric acid up to 30 %	++
Hydrochloric acid up to 30 %	++	Turpentine substitute	±
Hydrogen peroxide up to 10 %	++	Vegetable fats	++
Kerosene	±	Vegetable juice	++
Lactic acid up to 30 %	++	Washing-up liquid	++
Lemon juice	++	Wine	±
Linseed oil	++		

++ = resistant

 \pm = conditionally resistant (approx. 1–2 hrs)

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in the case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

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Waterproofing Triflex ProFibre

Product information

Applications

Triflex ProFibre is used for structurally hard-to-reach details, where it is impossible to use a fleece-reinforced waterproofing system. It cannot be applied according to the Flat Roof Guidelines.

Properties

2-component pigmented waterproofing with a polymethyl methacrylate resin (PMMA) base. Triflex ProFibre is a fibre-reinforced waterproofing resin without fleece reinforcement and offers the following features:

- Seamless
 - Flexible in low temperatures
 - Vapour-permeable
 - Fast-curing
 - Solvent-free
 - Extremely weather-resistant (UV, IR, etc.)
 - Excellent adhesion properties on a multitude of substrates
 - Elastic and crack-bridging
 - Mechanically strong and wear-resistant
 - Resistant to media generally present in air and rainwater
 - Resistant to sparks and radiant heat to DIN 13501-5: BROOF (t1)
- Fire classification as per DIN EN 13501-1: Class E

Pack size

Drum

Summer	Winter		
5.00 kg	5.00 kg	Triflex ProFibre base resin	
0.10 kg	0.30 kg	Triflex Catalyst (1 x / 3 x 0.10 kg)	
5.10 kg	5.30 kg		
Summer	Winter		
10.00 kg	10.00 kg	Triflex ProFibre base resin	
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)	
10.20 kg	10.60 kg		

Colours

7032 Pebble grey 7035 Light grey 7043 Traffic grey B

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above 0°C. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex ProFibre can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Small amounts can be mixed with a stick.

Mixing ratio

 Temperature range of:
 0°C to +5°C
 10.00 kg base resin + 0.60 kg catalyst

 +5°C to +15°C
 10.00 kg base resin + 0.40 kg catalyst

 +15°C to +35°C
 10.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 3.00 kg/m² on a smooth, even surface

Waterproofing Triflex ProFibre

Product information

Pot life

Approx. 20 min. at +20 $^{\circ}\mathrm{C}$

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 45 min. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Waterproofing Triflex ProPark®

Product information

Applications

Triflex ProPark is used in the systems Triflex ProPark and Triflex AWS. It is a high-quality and durable fleece-reinforced surface waterproofing product for use in both new buildings and refurbishments.

Properties

2-component pigmented waterproofing with a polymethyl methacrylate resin (PMMA) base. Triflex ProPark is reinforced with Triflex Special Fleece and offers the following features:

Highly flexible

- Rapidly resistant
- Seamless
- Easy to use
- Mechanically strong
- Vapour-permeable
- Elastic and crack-bridging
- Solvent-free
- Solvent-free

Pack size

Drum

Summer	Winter	
25.00 kg	25.00 kg	Triflex ProPark base resin *
0.50 kg	1.00 kg	Triflex Catalyst (5 x / 10 x 0.10 kg)
25.50 kg	26.00 kg	

Container

Summer	Winter	
500.00 kg	500.00 kg	Triflex ProPark base resin *
10.00 kg	20.00 kg	Triflex Catalyst (1 x / 2 x 10.00 kg)
510.00 kg	520.00 kg	
-	-	
Summer	Winter	
999.00 kg	999.00 kg	Triflex ProPark base resin *
20.00 kg	40.00 kg	Triflex Catalyst (2 x / 4 x 10.00 kg)

1,039.00 kg

Disposable IBC

1,019.00 kg

Summer	Winter	
1,250.00 kg	1,250.00 kg	Triflex ProPark base resin *
30.00 kg	50.00 kg	Triflex Catalyst (3 x / 5 x 10.00 kg)
1,280.00 kg	1,300.00 kg	

* Triflex ProPark base resin is produced according to the season in summer or winter formulations. See product label.

Colours

7030 Stone grey 7043 Traffic grey B



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProPark can be applied at substrate and ambient temperatures between $0 \,^{\circ}$ C and +35 $^{\circ}$ C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:

0°C to +5°C	25.00 kg base resin + 1.00 kg catalyst
+5°C to +15°C	25.00 kg base resin + 1.00 kg catalyst
+15°C to +35°C	25.00 kg base resin + 0.50 kg catalyst



Waterproofing Triflex ProPark®

Product information

Material consumption

Min. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:	approx. 1 hr. at +20 °C
Can be walked on/recoated after:	approx. 1 hr. at +20 °C
Resistant after:	approx. 3 hrs. at +20 °C
Resistant to chemicals after:	approx. 24 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2



Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Waterproofing Triflex ProTect[®]

Product information

Applications

The product Triflex ProTect is used in the Triflex ProTect system and is a highquality and durable waterproofing product for flat and pitched roofs in new buildings and refurbishments. Triflex ProTect is also used in the Triflex ProJoint and Triflex JWS systems.

Properties

Triflex ProTect is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Triflex ProTect is reinforced with Triflex Special Fleece and offers the following features:

.....

- Seamless
- Flexible in low temperatures
- Vapour-permeable
- Fast-curing
- Solvent-free
- Extremely weather-resistant (UV, IR, etc.)
- Excellent adhesion properties on a multitude of substrates
- Elastic and crack-bridging
- Mechanically strong and wear-resistant
- Root-resistant according to FLL test methods
- Resistant to media generally present in air and rainwater
- Hydrolysis and alkali resistant
- Resistant to sparks and radiant heat in compliance
- with DIN EN 13501-5: BROOF (t1), BROOF (t2), BROOF (t3), BROOF (t4)
- Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Assessment according to ETAG 005 with CE mark
- Is a hard roofing product in accordance with the German regional building regulations

Pack size

Drum

Sommer	Winter	
20,00 kg	20,00 kg	Triflex ProTect base resin*
0,40 kg	0,80 kg	Triflex Catalyst (4 x / 8 x 0,10 kg)
20,40 kg	20,80 kg	

Containerware

Sommer	Winter	
990,00 kg	990,00 kg	Triflex ProTect base resin *
20,00 kg	40,00 kg	Triflex Catalyst (2 x / 4 x 10,00 kg)
1.010,00 kg	1.030,00 kg	

* Triflex ProTect base resin is produced according to the season in summer or winter formulations.



Colours

7031 Blue grey 7032 Pebble grey 7035 Light grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProTect can be applied in surface and ambient temperatures of a minimum of 0 $^{\circ}$ C and a maximum of +35 $^{\circ}$ C.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.





Product information

Mixing ratio

Temperature range of.

0°C bis +5°C	20,00 kg base resin + 0,80 kg catalyst
+5°C bis +15°C	20,00 kg base resin + 0,80 kg catalyst
+15°C bis +35°C	20,00 kg base resin + 0,40 kg catalyst

Material consumption

Minimum 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:aCan be walked on/recoated afer:aResistant after:a

approx. 30 min. at +20 °C approx. 45 min. at +20 °C approx. 2 hr. at +20 °C

Resistance to chemicals

Acetic acid up to 10 %	++	Liquid ammonia	++
Ammonia up to 10 %	++	Lubricant	++
Ammonium chloride	++	Mineral oil	++
Ammonium sulphate	++	Nitric acid up to 10 %	++
Animal fats	++	Olive oil	++
Apple juice	++	Orange juice	++
Calcium chloride	++	Oxalic acid 10 %	++
Castor oil	++	Paraffin oil	++
Caustic potash solution up to 50 %	++	Petroleum	++
Cellulose thinner	++	Phosphoric acid up to 30 %	++
Chlorinated lime	++	Potassium chloride	++
Citric acid up to 30 %	++	Regular petrol	±
Crude oil	++	Sea water	++
Detergent	++	Sodium carbonate	++
Dettol up to 5 %	±	Sodium chloride	++
Diesel oil	++	Sodium hydroxide solution up to 50 %	++
		Journal information about the solution of the	
Formic acid 10%	±	Sodium sulphate	++
Formic acid 10% Hydraulic oils	±	Sodium sulphate Sulphuric acid up to 30 %	++
Formic acid 10% Hydraulic oils Hydrochloric acid up to 30 %	± ++	Sodium sulphate Sulphuric acid up to 30 % Turpentine substitute	++ ++ ±
Formic acid 10% Hydraulic oils Hydrochloric acid up to 30 % Hydrogen peroxide up to 10 %	± ++ ++	Sodium sulphate Sulphuric acid up to 30 % Turpentine substitute Vegetable fats	++ ++ ±
Formic acid 10% Hydraulic oils Hydrochloric acid up to 30 % Hydrogen peroxide up to 10 % Kerosene	± ++ ++ ++ ++	Sodium sulphate Sulphuric acid up to 30 % Turpentine substitute Vegetable fats Vegetable juice	++ ++ ± ++
Formic acid 10% Hydraulic oils Hydrochloric acid up to 30 % Hydrogen peroxide up to 10 % Kerosene Lactic acid up to 30 %	± ++ ++ ++ ±	Sodian Hydrolae Solation up to 30 % Sodium sulphate Sulphuric acid up to 30 % Turpentine substitute Vegetable fats Vegetable juice Washing-up liquid	++ ++ ± ++ ++ ++
Formic acid 10% Hydraulic oils Hydrochloric acid up to 30 % Hydrogen peroxide up to 10 % Kerosene Lactic acid up to 30 % Lemon juice	± ++ ++ ++ ± ++	Sodian Hydrolae Solation up to 30 % Sodium sulphate Sulphuric acid up to 30 % Turpentine substitute Vegetable fats Vegetable juice Washing-up liquid Wine	++ ++ ± ++ ++ ++ ++ ++

++ = resistant

 \pm = conditionally resistant (approx. 1 to 2 hrs)

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

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Waterproofing Triflex ProTerra®

Product information

Applications

Triflex ProTerra is used in the Triflex BTS-P and Triflex BWS systems. It is a high-quality and durable surface waterproofing product for use on balconies, terraces and covered walks in both new buildings and refurbishments.

Properties

Triflex ProTerra is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Triflex ProTerra is reinforced with Triflex Special Fleece and offers the following features:

- _____ Seamless
 - Flexible in low temperatures
 - Vapour-permeable
 - Fast-curing
 - Solvent-free
 - Extremely weather-resistant (UV, IR, etc.)
 - · Excellent adhesion properties on a multitude of substrates
 - Elastic and crack-bridging
 - · Mechanically strong and wear-resistant
 - · Resistant to media generally present in air and rainwater
 - · Hydrolysis and alkali resistant
 - · Resistant to sparks and radiant heat in compliance with
 - DIN EN 13501-5: B_{ROOF} (t1), B_{ROOF} (t2), B_{ROOF} (t3), B_{ROOF} (t4) • Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Assessment according to ETAG 005 with CE mark

Pack size

Drum

Summer	Winter	
10,00 kg	10,00 kg	Triflex ProTerra base resin *
0,20 kg	0,40 kg	Triflex Catalyst (2 x / 4 x 0,10 kg)
10,20 kg	10,40 kg	

* Triflex ProTerra base resin is produced according to the season in summer or winter formulations. See product label.

Colours

7032 Pebble grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex ProTerra can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.

Mixing ratio

Temperature range of: 0 °

0°C bis +5°C	10,00 kg base resin + 0,40 kg catalyst
+5 °C bis +15 °C	10,00 kg base resin + 0,40 kg catalyst
+15 °C bis +35 °C	10,00 kg base resin + 0,20 kg catalyst

Material consumtion

Minimum 3,00 kg/m² on a smooth, even surface



Product information

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after:approx. 45 min. at +20 °CCan be walked on/recoated after:approx. 1 hr. at +20 °CResistant after:approx. 3 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Waterproofing Triflex ProThan[®]

Product information

Applications

Triflex ProThan is used to apply fleece-reinforced waterproofing in interior and exterior areas.

Properties

2-component, pigmented waterproofing with a high-quality polyurethane resin (PU) base. Triflex ProThan is reinforced with Triflex Special Fleece and offers the following features:

- Seamless
 - Vapour-permeable
 - Weather-resistant
 - (UV, IR, etc. without additional protective layer)
 - Waterproof
 - Elastic and crack-bridging
 - Mechanically strong and wear-resistant
 - Solvent-free
 - Odourless
- Resistant to sparks and radiant heat to DIN 13501-5: $\mathrm{B_{ROOF}}$ (t1), $\mathrm{B_{ROOF}}$ (t4)
- Fire classification as per DIN EN 13501-1: Class E
- Is a hard roofing product in accordance with the German regional building regulations

Pack size

Drum

21.00 kg	Triflex ProThan base resir
4.00 kg	Triflex ProThan hardener
25.00 ka	

Colours

7009 Green-grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex ProThan can be applied at substrate and ambient temperatures between +8 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour. The relative humidity must not exceed 75 %.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Firstly, completely empty the hardener into the container of the base resin. With a slow-running mixing machine, mix both components thoroughly to form a homogeneous mixture. Stir for at least 3 min. Transfer to another receptacle and mix again.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 19 parts by weight/base resin: Hardener





Waterproofing Triflex ProThan[®]

Product information

Material consumption

Min. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 30 min. at +20 °C

Drying time

Rainproof after: approx. 2 hrs. at +20 °C Can be walked on/recoated after: approx. 12 hrs. at +20 °C

Resistance to chemicals

Acetic acid 5 %	±	Glycerine	++
Ammonia 5 %	±	Hydrochloric acid 10 %	±
Benzine	±	Hydrogen peroxide	+
Boric acid 5 %	±	Lactic acid 5 %	±
Butyl acetate	±	Nitric acid 10 %	±
Butyldiglycol	+	Phosphoric acid 10 %	±
Caustic potash solution 10 %	±	Sea water	++
Carbon tetrachloride		Sodium carbonate	++
Chromic acid 5 %	±	Sulphuric acid 10 %	±
Diesel oil	+	Trichloroethylene	
Ethanol 10 %	++	Water	++
Formic acid 5 %	±	Xylene	±

++ = resistant

- + = conditionally resistant (approx. 1 month)
- \pm = conditionally resistant (approx. 24 hrs.)
- -- = non-resistant

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Waterproofing Triflex ProThan Detail®

Product information

Applications

Triflex ProThan Detail is used to apply fleece-reinforced detail waterproofing in interior and exterior areas.

Properties

2-component, pigmented, thixotropic waterproofing with a high-quality polyurethane resin (PUR) base. Triflex ProThan Detail is reinforced with Triflex Special Fleece and offers the following features:

Seamless

- Vapour-permeable
- Weather-resistant
- (UV, IR, etc. without additional protective layer)
- Waterproof
- Elastic and crack-bridging
- Mechanically strong and wear-resistant
- Solvent-free
- Odourless
- Resistant to sparks and radiant heat to DIN 13501-5: $\mathrm{B_{ROOF}}$ (t1), $\mathrm{B_{ROOF}}$ (t4)
- Fire classification as per DIN EN 13501-1: Class E
- Is a hard roofing product in accordance with the German regional building regulations

Pack size

Combination drums

6.75 kg	Triflex ProThan Detail base resin
1.25 kg	Triflex ProThan hardener
8.00 kg	

Colours

7009 Green-grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex ProThan Detail can be applied at substrate and ambient temperatures between +8 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour. The relative humidity must not exceed 75%.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Firstly, completely empty the hardener into the container of the base resin. With a slow-running mixing machine, mix both components thoroughly to form a homogeneous mixture. Stir for at least 3 min. Transfer to another receptacle and mix again.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 19 parts by weight/base resin: Hardener





Waterproofing Triflex ProThan Detail®

Product information

Material consumption

Min. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 30 min. at +20°C

Drying time

Rainproof after: approx. 2 hrs. at +20 °C Can be walked on/recoated after: approx. 12 hrs. at +20 °C

Resistance to chemicals

Acetic acid 5 %	±	Glycerine	++
Ammonia 5 %	±	Hydrochloric acid 10 %	±
Benzine	±	Hydrogen peroxide	+
Boric acid 5%	±	Lactic acid 5 %	±
Butyl acetate	±	Nitric acid 10 %	±
Butyldiglycol	+	Phosphoric acid 10 %	±
Caustic potash solution 10 %	±	Sea water	++
Carbon tetrachloride		Sodium carbonate	++
Chromic acid 5%	±	Sulphuric acid 10 %	±
Diesel oil	+	Trichloroethylene	
Ethanol 10 %	++	Water	++
Formic acid 5 %	±	Xylene	±

++ = resistant

- + = conditionally resistant (approx. 1 month)
- \pm = conditionally resistant (approx. 24 hrs.)
- -- = non-resistant

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Waterproofing Triflex SmartTec[®]

Product information

Applications

Triflex SmartTec is used for the waterproofing of details and surfaces.

Properties

Triflex SmartTec is a solvent-free, 1-component liquid applied waterproofing with a polyurethane base that is reinforced with Triflex Special Fleece. The air humidity-cured product offers the following features:

.....

- Solvent-free
- Isocyanate-free
- Low-odour
- Highly elastic
- UV-resistant
- Waterproof
- Fleece-reinforced
- Hydrolysis and alkali resistant
- Machine application
- General Building Supervisory Authority Test Certificate (abP) for liquid applied waterproofing of building structures set out in PG-FLK according to the Building Regulations List A, Part 2, No. 2.51 and VV TB No. C 3.28.
- General Building Supervisory Authority Test Certificate (abP) for liquid applied in conjunction with tiles and panels (AIV-F) according to List A, Part 2, No. 2.50 and VV TB No. C 3.27.
- Fire classification in compliance with DIN EN 13501-1: Class E
- Resistant to external fire exposure to DIN EN 13501-5: B_{ROOF}(t1), B_{ROOF}(t2), B_{ROOF}(t3), B_{ROOF}(t4)
- European Technical Assessment according to ETAG 005 with CE mark

Pack size

Drum

7.00 kg Triflex SmartTec 14.00 kg Triflex SmartTec

Colours

7030 Stone grey 7043 Traffic grey B

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site. Protect unused material against moisture and dampness and firmly replace the cover, otherwise the top layer may harden. If this is the case, simply remove the hardened top layer - the liquid material beneath is still suitable for use.

Conditions for use

Triflex SmartTec can be applied at substrate and ambient temperatures between +5 °C and +40 °C. The relative humidity must not fall below 30 %.



Preparation of the substrate

Substrate suitability should always be checked on a case-by-case basis. The substrate must be clean, dry and free of cement bloom, dust, oil, grease and other adhesion-reducing dirt.

Moisture: When carrying out surfacing work on mineral substrates, the substrate may be damp, however there must not be any standing water! Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath.

Dew point: During application, the surface temperature must be at least 3 °C above the dew point temperature. Below this temperature, a separating film of moisture can form on the surface (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

The contents of the container must be stirred until they are of a smooth homogeneous consistency. Stirring time: at least 2 min.

Methods of application

Hand-operated rolling or machine-applied. Special attention must be paid to the thickness of the coating in the case of machine application.

Material consumption

Approx. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 60 min. at +20 °C

Drying time

Rainproof after:approx. 60 min. at +23 °C / 50 % rel. humidityCan be recoated after:approx. 8 hrs. at +23 °C / 50 % rel. humidityFully hardened after:approx. 2 days at +23 °C / 50 % rel. humidity






Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Waterproofing Triflex SmartTec Fibre

Product information

Applications

Triflex SmartTec Fibre is used for detail waterproofing in areas that are difficult to reach for structural reasons, making it impossible to use a fleece-reinforced waterproofing system.

Properties

Triflex SmartTec Fibre is a solvent-free, 1-component liquid applied waterproofing with a polyurethane base. The air humidity-cured product offers the following features:

- Solvent-free
 - Isocyanate-free
 - Isocyanate-nee
 Low-odour
 - Highly elastic

 - UV-resistant
 - Waterproof
 - Fibre-reinforced
 - Hydrolysis and alkali resistant

Pack size

Drum

3.50 kg Triflex SmartTec Fibre

Colours

7030 Stone grey 7043 Traffic grey B

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Protect unused material against moisture and dampness and firmly replace the cover, otherwise the top layer may harden. If this is the case, simply remove the hardened top layer – the liquid material beneath is still suitable for use.

Conditions for use

Triflex SmartTec Fibre can be applied at substrate and ambient temperatures between +5 °C and +40 °C. The relative humidity must not fall below 30 %.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

The contents of the container must be stirred until they are of a smooth homogeneous consistency. Stirring time: at least 2 min.

Material consumption

Approx. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 60 min. at +20 °C

Drying time

Rainproof after:approx. 60 min. at +23 °C / 50 % rel. humidityCan be recoated after:approx. 8 hrs. at +23 °C / 50 % rel. humidityFully hardened after:approx. 2 days at +23 °C / 50 % rel. humidity



Waterproofing Triflex SmartTec Fibre

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Waterproofing Triflex Than R 557

Product information

Applications

Triflex Than R 557 is used for the fleece-reinforced waterproofing of boiler rooms etc. Suitable substrates:

- .
- Concrete and concrete repair products
- Anhydrite screed
- Asphalt
- Magnesite screed
- Steel

Properties

2-component waterproofing with a high-quality polyurethane resin (PUR) base. Triflex Than R 557 offers the following features:

.....

Odourless

- Gloss finish
- Resistant to chemicals
- Hard-wearing
- Easy to use
- Elastic
- _....

Pack size

Drum

19.68 kg	Triflex Than R 557 base resin
5.32 kg	Triflex Than R 557 hardener
25.00 kg	

Colours

7032 Pebble grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Than R 557 can be applied at substrate and ambient temperatures between +5 °C and +35 °C. The relative humidity must not exceed 80 %.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Thoroughly mix the base resin, add the corresponding hardener and mix with a slow-running mixing machine. Stirring time at least 2 min. Transfer to another receptacle and mix again.

Any requisite additives or quartz sand are weighed and added in with the mixing machine running.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 27 parts by weight/base resin: Hardener

Material consumption

Min. 3.00 kg/m² on a smooth, even surface

Pot life

Approx. 30 min. at +20 °C





Waterproofing Triflex Than R 557

Product information

Drying time

Can be walked on/recoated after: approx. 12 hrs. at +20 °C Is mechanically resistant after: Resistant to chemicals after:

approx. 2 days at +20 °C approx. 7 days at +20 °C

Glycerine ++
Hydrochloric acid 10 % ±
Hydrogen peroxide +
Lactic acid 5 % ±
Nitric acid 10 % ±
Phosphoric acid 10 % ±
Sea water ++
Sodium carbonate ++
Sulphuric acid 10 % ±
Trichloroethylene
Water ++
Xylene ±

= resistant ++

- + = conditionally resistant (approx. 1 month)
- = conditionally resistant (approx. 24 hrs.) ±

= non-resistant

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Waterproofing Triflex Than R 557 thix

Product information

Applications

Triflex Than R 557 thix is used for waterproofing details and upstands with the Triflex CPS-I and Triflex IWS-557 systems.

Properties

2-component waterproofing with a high-quality polyurethane resin (PUR) base. Triflex Than R 557 thix offers the following features:

- Elastic
 - Withstands mechanical loads
- Easy to use
- Odourless
- Pigmented

Pack size

Drum

19.68 kgTriflex Than R 557 thix base resin5.32 kgTriflex Than R 557 hardener25.00 kgTriflex Than R 557 hardener

Colours

7032 Pebble grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Than R 557 thix can be applied at substrate and ambient temperatures between +8 °C and +35 °C. The relative humidity must not exceed 80 %.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

Thoroughly mix the base resin, add the corresponding hardener and mix with a slow-running mixing machine. Stirring time at least 2 min. Transfer to another receptacle and mix again.

Mixing ratio

Temperature range of: The mixing ratio corresponds to the pack size. 100 : 27 parts by weight/base resin: Hardener

Material consumption

Min. 3.00 kg/m² on a smooth, even surface



Waterproofing Triflex Than R 557 thix

Product information

Pot life

Approx. 30 min. at +20 $^{\circ}\mathrm{C}$

Drying time

Can be walked on after: Can be recoated after: Can be recoated up to: Resistant after: Resistant to chemicals after: approx. 12 hrs. at +20 °C approx. 7 hrs. at +20 °C max. 1 day at +20 °C approx. 3 days at +20 °C approx. 7 days at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Waterproofing Triflex Towersafe[®]

Product information

Applications

Triflex Towersafe is a fully reinforced waterproofing product for long-lasting protection for tower and foundations of wind turbines.

Properties

Triflex Towersafe is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Triflex Towersafe offers the following features:

- Fully reinforced waterproofing
- Seamless
- Cold-applied
- Fast-curing
- Flexible in low temperatures
- Excellent adhesion properties on a multitude of substrates
- Root-resistant
- Can be used at substrate temperatures of down to -5 °C
- Tried and tested
- Joint-bridging
- · Mechanically strong and wear-resistant
- UV and weather-resistant
- · Permanently elastic and dynamic crack-bridging
- Vapour-permeable
- Resistant to chemicals
- Resistant to sparks and radiant heat in compliance with DIN EN 13501-5: B_{ROOF} (t1), B_{ROOF} (t2), B_{ROOF} (t3), B_{ROOF} (t4)
- European Technical Assessment with CE mark
- General approval from Building Supervisory Authorityn

Pack size

Drum

Summer	Winter	
15.00 kg	15.00 kg	Triflex Towersafe base resin *
0.30 kg	0.60 kg	Triflex Catalyst (3 x / 6 x 0,10 kg)
15.30 kg	15.60 kg	

* Triflex Towersafe base resin is produced according to the season in summer or winter formlations. See product label.

Colours

7035 Light grey



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Towersafe can be applied at substrate temperatures of between -5 °C and +50 °C and ambient temperatures of between -5 °C and +40 °C.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing intructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Small amounts can be mixed with a stick.

Mixing ratio

Temperature range of:

-5°C bis +5°C	15.00 kg base resin + 0.60 kg catalyst
+5 °C bis +15 °C	15.00 kg base resin + 0.60 kg catalyst
+15 °C bis +40 °C	15.00 kg base resin + 0.30 kg catalyst

Waterproofing Triflex Towersafe[®]

Product information

Material consumption

Minimum 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 mins. at +20 °C

Drying time

Rainproof after: approx. 30 mins. at +20 °C Can be walked on/recoated after: approx. 45 mins. at +20 °C

Resistance to chemicals

Ammonia up to 10 %	++	Nitric acid up to 10 %	++
Ammonium chloride	++	Oxalic acid	++
Ammonium sulphate	++	Paraffin oil	++
Animal fats	++	Petroleum	++
Calcium chloride	++	Phosphoric acid up to 30 %	++
Caustic potash solution up to 50 %	++	Potassium chloride	++
Chlorinated lime	++	Sea water	++
Crude oil	++	Sodium carbonate	++
Diesel oil	++	Sodium chloride	++
Hydraulic oils	++	Sodium hydroxide solution up to 50	% ++
Hydrochloric acid up to 30 %	++	Sodium sulphate	++
Lubricant	++	Sulphuric acid up to 30 %	++
Mineral oil	++	Vegetable fats	++

++ = restistant

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Waterproofing Triflex Towersafe FA

Product information

Applications

Triflex Towersafe FA is used as a high-quality and durable waterproofing product for the elevated foundations of wind turbines, new buildings and refurbishments.

Properties

Triflex Towersafe FA is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base. Triflex Towersafe FA is a fibrereinforced waterproofing resin without fleece reinforcement and offers the following features:

- · · · ·
- Seamless
- Fast-curing
- Weather-resistant (UV, IR, etc.)
- Excellent adhesion properties on a multitude of substrates
- Elastic and crack-bridging
- Mechanically strong and wear-resistant
- · Resistant to media generally present in air and rainwater
- Resistant to salt water and chemicals
- Hydrolysis-resistant
- Flexible in low temperatures
- Can be applied in temperatures as low as 0°C
- Suitable for extreme weather locations
- · Internally reinforced

Pack size

Drum

Summer	Winter		
20.00 kg	20.00 kg		
0.40 kg	1.20 kg		
20.40 kg	21.20 kg		

Triflex Towersafe FA base resin Triflex Catalyst (4 x / 12 x 0.10 kg)

Colours

7035 Light grey 7040 Window grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Towersafe FA can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis. Please also see the substrate pretreatment table in the system description.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Tab. 1). See dew point table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine. Stirring time at least 2 min.

Mixing ratio

Temperature range of:

0°C to +5°C	20.00 kg base resin + 1.20 kg catalyst
+5 °C to +15 °C	20.00 kg base resin + 0.80 kg catalyst
+15°C to +35°C	20.00 kg base resin + 0.40 kg catalyst

Instructions for use

1. When waterproofing elevated foundations, Triflex Towersafe FA is first appliedwithasmoothingtrowelandthensmoothedinahorizontaldirection with a plasterer's float/surface spatula with toothed edge (5 x 5 mm pointed teeth). Volume: at least 2.00 kg/m² Curing time: 45 to 60 mins.

2. Triflex Towersafe FA is applied again a second time in a vertical direction with a smoothing trowel and then smoothed with a surface spatula in a horizontal direction. Volume: approx. 1.00 kg/m²

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Waterproofing Triflex Towersafe FA

Produktinformation

Material consumption

Approx. 3.00 kg/m² twice on a smooth even surface.

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after: Can be recoated after: Resistant after: approx. 30 min. at +20 °C approx. 45 min. at +20 °C approx. 1 hr. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

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Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Product information

Applications

Triflex Cryl M 264 is used in the Triflex ProPark and Triflex DeckFloor systems as a non-slip coating in ramp and entrance areas on parking decks subject to extremely heavy mechanical loads.

Properties

2-component pigmented coating with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl M 264 offers the following features:

- - Weatherproof
- Textured
- Non-slip
- Highly abrasion-resistant
- Solvent-free
- UV-resistant

Pack size

Drum

 18.00 kg
 Triflex Cryl M 264 base resin

 0.40 kg
 Triflex Catalyst (4 x 0.10 kg)

 18.40 kg
 Triflex Catalyst (4 x 0.10 kg)

Colours

1023 Traffic yellow 2009 Traffic orange 3020 Traffic red 4006 Traffic purple 5017 Traffic blue 6024 Traffic green 7030 Stone grey 7032 Pebble grey 7043 Traffic grey B 9010 White

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl M 264 can be used at substrate and ambient temperatures of a minimum of 0° C and a maximum of $+35^{\circ}$ C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

 Temperature range of:
 0 °C to +25 °C
 18.00 kg base resin + 0.40 kg catalyst

 +25 °C to +35 °C
 18.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 10 min. at +20 °C



Product information

Drying time

Rainproof after: Can be walked on after: Suitable for vehicle traffic after: approx. 20 min. at +20 °C approx. 40 min. at +20 °C approx. 1 hr. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Product information

Applications

Triflex Cryl M 269 is used in the Triflex ProPark system as a non-slip coating in ramp and entrance areas on parking decks subject to extremely heavy mechanical loads.

Properties

2-component pigmented coating with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl M 269 offers the following features:

• Weatherproof

- Textured
- Non-slip
- Highly abrasion-resistant
- Solvent-free
- UV-resistant

Pack sizes

Drum

18.00 kg Triflex Cryl M 269 base resin 0.40 kg Triflex Catalyst (4 x 0.10 kg) 18.40 kg

Colours

7030 Stone grey 7032 Pebble grey 7042 Traffic grey A 7043 Traffic grey B

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl M 269 can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that moisture cannot penetrate from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture may form on the surface being treated (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, add the correct quantity of catalyst and mix with a slow-running mixer until there are no more lumps. Stir for at least 2 mins.

Mixing ratio

Temperature range from: 0°C to +25°C 18.00 kg base resin + 0.40 kg catalyst +25 °C to +35 °C 18.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 6.00 kg/m² on a smooth, even surface

Pot life

Approx. 10 mins at +20 °C





Product information

Drying time

Rainproof after: Can be walked on after: Suitable for vehicle traffic after: approx. 20 mins at +20 °C approx. 40 mins at +20 °C approx. 1 hr. at +20 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General information

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Functional coating Triflex Cryl SC 237

Product information

Applications

Triflex Cryl SC 237 is used to create coloured maintenance paths and to mark danger areas (e.g. edge of roof) on flat roofs with a pre-existing waterproofing system. The coating is non-slip.

Properties

2-component pigmented coating with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl SC 237 offers the following features:

- Fast-curing
- Rapidly resistant
- Non-slip
- Easy to apply
- Fully bonded
- Flexible
- Flexible

Pack size

Drum

Summer	Winter	
15.00 kg	15.00 kg	Triflex Cryl SC 237 base resin
0.30 kg	0.60 kg	Triflex Catalyst (3 x / 6 x 0.10 kg)
15.30 kg	15.60 kg	

Colours

1023 Traffic yellow 3013 Tomato red 7043 Traffic grey B 9010 White

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl SC 237 can be applied at substrate and ambient temperatures between 0 $^\circ$ C and +35 $^\circ$ C.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:	
0°C to +5°C	15.00 kg base resin + 0.60 kg catalyst
+5°C to +25°C	15.00 kg base resin + 0.30 kg catalyst
+25 °C to +35 °C	15.00 kg base resin + 0.30 kg catalyst

Material consumption

Approx. 2.00 kg/m² on a smooth, even surface, depending on area of use

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after: approx. 45 min. at +20 °C approx. 2 hrs. at +20 °C





Functional coating Triflex Cryl SC 237

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Coating Triflex DeckFloor

Product information

Applications

Triflex DeckFloor is used as a high-quality, durable coating for heavy-duty surfaces in the parking deck systems Triflex ProPark and Triflex DeckFloor. Triflex DeckFloor can also be used to produce scratch and levelling coats in multi-storey car parks.

Properties

3-component pigmented coating (self-levelling mortar) with a polymethyl methacrylate resin (PMMA) base. Triflex DeckFloor is characterised by the following quality features:

- Self-levelling
 - Fast-curing
 - Weather-resistant
 - Waterproof
 - Wear-resistant
 - Solvent-free
 - UV-resistant

 - Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum/paper sack

 Summer
 Winter

 10.00 kg
 10.00 kg
 Triflex DeckFloor R base resin

 23.00 kg
 23.00 kg
 Triflex DeckFloor S powder

 0.20 kg
 0.60 kg
 Triflex Catalyst (2 x / 6 x 0.10 kg)

 33.20 kg
 33.60 kg
 Triflex Catalyst (2 x / 6 x 0.10 kg)

Container

Summer	Winter	
500.00 kg	500.00 kg	Triflex DeckFloor R base resin
1,150.00 kg	1,150.00 kg	Triflex DeckFloor S powder (50 x 23.00 kg)
10.00 kg	30.00 kg	Triflex Catalyst (1 x / 3 x 10.00 kg)
1,660.00 kg	1,680.00 kg	
Summer	Winter	
910.00 kg	910.00 kg	Triflex DeckFloor R base resin
2,093.00 kg	2,093.00 kg	Triflex DeckFloor S powder (91 x 23.00 kg)
20.00 kg	60.00 kg	Triflex Catalyst (2 x / 6 x 10.00 kg)
3,023.00 kg	3,063.00 kg	



Colours

Dark grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex DeckFloor can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.





Coating Triflex DeckFloor

Product information

Mixing instructions

23 kg of Triflex DeckFloor S powder is mixed into 10 kg Triflex Deckfloor R base resin with the slow-running mixing machine until there are no more lumps. Triflex Catalyst is then also added into the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.

Mixing ratio

The mixing ratio (parts by weight) for base resin : powder should be 10 : 23. The quantity of catalyst added depends on the temperature range.

0 °C to +5 °C	10.00 kg base resin + 23.00 kg powder + 0.60 kg catalyst
+5 °C to +15 °C	10.00 kg base resin + 23.00 kg powder + 0.40 kg catalyst
+15 °C to +35 °C	10.00 kg base resin + 23.00 kg powder + 0.20 kg catalyst

Material consumption

Min. 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 1 hr. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Important note

Production of scratch and levelling coats

Roughness depth	Triflex DeckFloor R	Triflex DeckFloor S	Triflex Catalyst	Quartz sand * 0.2-0.6 mm	Quartz sand * 0.7-1.2 mm
0.5 to 1.0 mm	10.00 kg	23.00 kg	0.20-0.60 kg	max. 10.00 kg	
1.0 to 10 mm	10.00 kg	23.00 kg	0.20-0.60 kg		max. 20.00 kg

*) The user must check the exact amount on a case-by-case basis. The quartz sand grading curve must be adjusted on-site, if necessary

Volume: Min. 2.00 kg/m² per mm coat thickness



Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Coating Triflex Metal Coat

Product information

Applications

Triflex Metal Coat is used as a surface coating on metal roof structures. It protects against corrosion and extends the service life of the roof. Triflex Metal Coat must not be applied to areas where ponding water exists.

Properties

Single-component aqueous coating with a high polymer base. Triflex Metal Coat offers the following features:

- Waterproof
- Elastic
- Impact- and shock-resistant
- Low viscosity
- Lead- and chromate-free

Pack size

Drum

20.00 kg Triflex Metal Coat

Colours

3056 English red 6011 Reseda green 7032 Pebble grey 7040 Window grey 7056 Grey green 9002 Off-white 9010 White

Storage

Can be stored unopened for approx. 24 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Metal Coat can be applied at substrate and ambient temperatures between +8 °C and +55 °C. The relative humidity must not exceed 80 %.

Preparation of the substrate

The substrate must be dry and free of loose particles, grease and oil. For best adhesion results, remove rust, rust scale, mill scale and unstable old coatings. Where blasting is impractical, loose rust, rust scale and old paint layers should be removed with a scraper or wire brush and primed with Triflex Metal Primer. Stable old coatings should be roughened for better adhesion. Adhesion with stable old coatings must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions / Application method

Before applying the product, stir or shake the contents until homogeneous. Triflex Metal Coat must be applied in two coats with the Triflex universal roller. Alternatively, Triflex Metal Coat can be applied using the airless spray method.



Coating Triflex Metal Coat

Product information

Mixing ratio

1-component, apply undiluted

Material consumption

The coating is applied in two layers:

Roller/brush application: approx. 200-300 g/m² per layer

Spray application: Airless: approx. 300-400 g/m² per layer Nozzle size: 13-17, Pressure: min. 170 bar Make: e.g. Wagner PS 3.25

Total volume: approx. 600 to 800 g/m^2 .

Drying time

Can be recoated after: approx. 2 hrs. at +20 $^{\circ}\text{C}$ Fully hardened after: approx. 2 weeks at +20 $^{\circ}\text{C}$

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Coating Triflex ProDeck

Product information

Applications

Triflex ProDeck is used as a high-quality, durable coating for heavy-duty surfaces in the Triflex ProDeck parking deck system.

Properties

3-component pigmented coating (self-levelling mortar) with a polymethyl methacrylate resin (PMMA) base. Triflex ProDeck offers the following features:

- Self-levelling
- Self-levelling
 Fast-curing
- Weather-resistant
- Weather-resistant
- WaterproofWear-resistant
- Solvent-free
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum/paper sack

Summer	Winter	
10.00 kg	10.00 kg	Triflex ProDeck R base resin *
23.00 kg	23.00 kg	Triflex ProDeck S powder
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
33.20 kg	33.60 kg	

Container

Summer	Winter	
500.00 kg	500.00 kg	Triflex ProDeck R base resin *
1,150.00 kg	1,150.00 kg	Triflex ProDeck S powder (50 x 23.00 kg)
10.00 kg	30.00 kg	Triflex Catalyst (1 x / 3 x 10.00 kg)
1,660.00 kg	1,680.00 kg	
Summer	Winter	
Summer 910.00 kg	Winter 910.00 kg	Triflex ProDeck R base resin *
Summer 910.00 kg 2,093.00 kg	Winter 910.00 kg 2,093.00 kg	Triflex ProDeck R base resin* Triflex ProDeck S powder (91 x 23.00 kg)
Summer 910.00 kg 2,093.00 kg 20.00 kg	Winter 910.00 kg 2,093.00 kg 60.00 kg	Triflex ProDeck R base resin * Triflex ProDeck S powder (91 x 23.00 kg) Triflex Catalyst (2 x / 6 x 10.00 kg)

* Triflex ProDeck R base resin is produced according to the season in summer or winter formulations. See product label.



Colours

Mid-grey 2

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProDeck can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

23 kg of Triflex ProDeck S powder is mixed into 10 kg Triflex ProDeck R base resin with the slow-running mixing machine until there are no more lumps. Triflex Catalyst is then also added into the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.



Coating **Triflex ProDeck**

Product information

Mixing ratio

The mixing ratio (parts by weight) for base resin : powder should be 10 : 23. The quantity of catalyst added depends on the temperature range.

Temperature range of:

0°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalyst
+15 °C to +35 °C	10.00 kg base resin + 0.20 kg catalyst

Material consumption

Top decks as per OS 11a: Min. 5.00 kg/m² on a smooth, even surface

Interior decks, underground car parks and ramps as per OS 11b: Min. 4.50 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Can be walked on/recoated after: approx. 1 hr. at +20 °C Resistant after:

approx. 30 min. at +20 °C approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Coating Triflex ProFloor

Product information

Applications

Triflex ProFloor is used as a high-quality, durable coating for heavy-duty surfaces in the balcony systems Triflex BTS-P, Triflex BFS and Triflex TSS.

Properties

Triflex ProFloor is a 3-component, pigmented coating (self-levelling mortar) with a polymethyl methacrylate resin (PMMA) base. Triflex ProFloor offers the following features:

-
- Self levelling
- Fast-curing
- Weather-resistant
- Waterproof
- Wear-resistant
- Solvent-free
- UV-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum / paper sack

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* Triflex ProFloor R base resin is produced according to the season in summer or winter formulations. See product label.

Colours

Mid-grey 1

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Condition for use

Triflex ProFloor can be applied at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The pre-treated and primed substrates must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

23 kg of Triflex ProFloor S powder is mixed into 10 kg Triflex ProFloor R base resin with the slow-running mixing machine until there are no more lumps. Triflex Catalyst is then also added into the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.

Mixing ratio

Temperature range of:

0°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalyst
+15 °C to +35 °C	10.00 kg base resin + 0.20 kg catalyst



Coating Triflex ProFloor

Product information

Material consumption

Minimum 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 1 hr. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Coating Triflex ProFloor RS 2K

Product information

Applications

Triflex ProFloor RS 2K is used as a high-quality and durable coating for heavy-duty surfaces in the Triflex BTS-P, Triflex BFS and Triflex TSS systems.

Properties

2-component pigmented coating with a polymethyl methacrylate resin (PMMA) base. Triflex ProFloor RS 2K offers the following features:

- Self-levelling
- Fast-curing
- Weather-resistant
- Rapidly resistant Waterproof
- Wear-resistant
- UV-resistant
- Suitable for vehicle traffic
- Solvent-free

Pack size

Drum

Summer	Winter	
15.00 kg	15.00 kg	Triflex ProFloor RS 2K base resin *
0.10 kg	0.30 kg	Triflex Catalyst (1 x / 3 x 0.10 kg)
15.10 kg	15.30 kg	

* Triflex ProFloor RS 2K base resin is produced in summer or winter formulations according to the season. See product label.

Colours

Mid-grey

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProFloor RS 2K can be used at substrate and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:	
0°C to +5°C	15.00 kg base resin + 0.30 kg catalyst
+5°C to +15°C	15.00 kg base resin + 0.20 kg catalyst
+15 °C to +35 °C	15.00 kg base resin + 0.10 kg catalyst

Material consumption

Min. 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C





Coating **Triflex ProFloor RS 2K**

Product information

Drying time

Rainproof after: approx. 30 min. at +20 °C Can be walked on/recoated after: approx. 1 hr. at +20 °C Resistant after:

approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Coating Triflex ProFloor S1

Product information

Applications

Triflex ProFloor S1 is used as a high-quality and durable flame-retardant coating in the Triflex BTS-P (S1), Triflex BFS (S1) and Triflex TSS (S1) system versions.

Properties

3-component pigmented coating (self-levelling mortar) with a polymethyl methacrylate resin (PMMA) base. Triflex ProFloor S1 offers the following features:

.....

- Self-levelling
- Fast-curing
- Weather-resistant
- Waterproof
- waterproor
- Wear-resistant
- Solvent-free
- UV-resistant
- Suitable for vehicle traffic
- · Withstands high mechanical loads
- Flame-retardant

Pack size

Drum/paper sack

Summer	Winter	
10.00 kg	10.00 kg	Triflex ProFloor R base resin *
23.00 kg	23.00 kg	Triflex ProFloor S1 powder
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
33.20 kg	33.60 kg	= Triflex ProFloor S1

* Triflex ProFloor R base resin is produced according to the season in summer or winter formulations. See product label.

Colours

7032 Pebble grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex ProFloor S1 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

23 kg of Triflex ProFloor S1 powder is mixed into 10 kg Triflex ProFloor R base resin with the slow-running mixing machine until there are no more lumps. Triflex Catalyst is then also added into the slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:

D°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5 °C to +15 °C	10.00 kg base resin + 0.40 kg catalyst
+15°C to +35°C	10.00 kg base resin + 0.20 kg catalyst

X

Coating Triflex ProFloor S1

Product information

Material consumption

Min. 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CCan be walked on/recoated after:approx. 1 hr. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Coating Triflex Than R 550

Product information

Applications

Triflex Than R 550 is used on industrial floors in the Triflex IFS-550 system. Suitable substrates:

- .
- Concrete and concrete repair products
- Anhydrite screed
- Asphalt
- Magnesite screed
- Steel

Properties

2-component coating with a high-quality polyurethane resin (PU) base. Triflex Than R 550 offers the following features:

.....

Odourless

- Gloss finish
- Resistant to chemicals
- Hard-wearing
- Easy to use

Pack size

Combination drums

6.28 kg	Triflex Than R 550 base resin
1.72 kg	Triflex Than R 550 hardener
8.00 kg	

Drum

19.62 kg	Triflex Than R 550 base resin
5.38 kg	Triflex Than R 550 hardener
25.00 kg	

Colours

1001 Beige 7030 Stone grey 7032 Pebble grey 7043 Traffic grey B

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Than R 550 can be applied at substrate and ambient temperatures between +8 °C and +35 °C. The relative humidity must not exceed 70 %.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Thoroughly mix the base resin before adding the corresponding quantity of hardener. Mix using a slow-running mixing machine. Stirring time at least 2 min.

Transfer to another receptacle and mix again.

Any requisite additives or quartz sand are weighed and added in with the mixing machine running.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 27.5 parts by weight/base resin: Hardener

Material consumption

Min. 0.90 to 2.10 kg/m^2 on a smooth, even surface depending on system and function



Coating Triflex Than R 550

Product information

Pot life

Approx. 30 min. at +20 $^{\circ}\mathrm{C}$

Drying time

Can be walked on/recoated after: approx. 12 hrs. at +20 °C Is mechanically resistant after: approx. 2 days at +20 °C Resistant to chemicals after: approx. 7 days at +20 °C

Resistance to chemicals

Acetic acid 5 %	±	Glycerine	++
Ammonia 5 %	±	Hydrochloric acid 10 %	±
Benzine	±	Hydrogen peroxide	+
Boric acid 5 %	±	Lactic acid 5 %	±
Butyl acetate	±	Nitric acid 10 %	±
Butyldiglycol	+	Phosphoric acid 10 %	±
Caustic potash solution 10 %	±	Sea water	++
Carbon tetrachloride		Sodium carbonate	++
Chromic acid 5 %	±	Sulphuric acid 10 %	±
Diesel oil	+	Trichloroethylene	
Ethanol 10 %	++	Water	++
Formic acid 5 %	±	Xylene	±

++ = resistant

- + = conditionally resistant (approx. 1 month)
- \pm = conditionally resistant (approx. 24 hrs.)

-- = non-resistant

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Coating Triflex Than RG 568+

Product information

Applications

Triflex Than RG 568+ is used as a coating (wearing/dressing layer)* in the Triflex CPS-I+ system.

Properties

2-component coating with a high-quality polyurethane resin (PU) base. Triflex Than RG 568+ has the following properties:

- Solvent-free
- Highly elastic
- Withstands mechanical loads
- Easy to use
- Pigmented
- Pack size

Drum

10,00 kg Triflex Than RG 568+ base resin 20,00 kg Triflex Than RG 568+ hardener 30,00 kg

Colours

Grey

Storage

Shelf-stable for 6 months if stored dry and unopened within a temperature range of +10 °C to +25 °C. Keep away from direct sunlight and temperatures below the permissible range in storage and on the construction site.

Conditions for use

Triflex Than RG 568+ can be applied at substrate and ambient temperatures between +10 °C and +30 °C. The relative humidity must not exceed 80 %. These conditions must be maintained for at least 16 hours after application.

Preparation of the substrate

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.



Mixing instructions

Thoroughly mix the base resin before adding the corresponding quantity of hardener. Mix using a slow-running mixing machine for at least 3 min. Transfer to another receptacle and mix again for at least 2 min. Avoid stirring in air.

The temperature of both components should be between +15 $^{\circ}\text{C}$ and +25 $^{\circ}\text{C}$ when mixing.

Any requisite additives or quartz sand should be weighed in advance and added during the first mix whilst the mixing machine is running. Ensure that all fillers and quartz are evenly distributed in the resin.

Mixing ratio

The mixing ratio corresponds to the pack size. 1 : 2 parts by weight / base resin : hardener

Material consumption

Dressing layer comprising Triflex Than RG 568+ and 30 % quartz sand 0.1-0.4 mm. Volume of Triflex Than RG 568+ at least 2.00 kg/m² on a smooth, even surface. Volume of quartz sand 0.1-0.4 mm at least 0.60 kg/m^2 on a smooth, even surface.

Dress the wet dressing layer in excess. Volume of quartz sand, size 0.3–0.8 mm, at least 8.00 kg/m².

Pot life

Approx. 40 mins. at +10 °C Approx. 30 mins. at +20 °C Approx. 15 mins. at +30 °C

* Please note: Term under "German Committee on Reinforced Concrete (DAfStb.) – Guidelines for the protection and repair of concrete components" = primarily effective surface protection layer

Coating Triflex Than RG 568+

Produktinformation

Drying time

Can be walked on after: Can be recoated after: Can be recoated within: Mechanically resistant after: Chemically resistant after: approx. 12 to 24 hrs. at +20 °C approx. 18 hrs. at +20 °C approx. 36 hrs. at +20 °C * approx. 7 days at +20 °C approx. 28 days at +20 °C

* The coated surface must be recoated within 18 to 36 hours in order to ensure sufficient bonding. Further preparation by means of abrasion is not necessary during this period.

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8



Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Finish **Triflex Cryl Finish 202**

Product information

Applications

Triflex Cryl Finish 202 is used as a finish on Triflex PMMA systems with full dressing to increase chemical and mechanical resistance.

Properties

2-component unpigmented finish with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Finish 202 offers the following features:

- Fast-curing
- Rapidly resistant
- Satin gloss

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Cryl Finish 202 base resin
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
10.20 kg	10.60 kg	

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Finish 202 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:	
0°C to +5°C	10.00 kg base resin + 0.60 kg catalys
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalys
+15°C to +35°C	10.00 kg base resin + 0.20 kg catalys

Material consumption

Approx. 0.80 kg/m² on a smooth, even surface, depending on area of use

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after:

approx. 30 min. at +20 °C approx. 2 hrs. at +20 °C



Finish Triflex Cryl Finish 202

Product information

Resistance to chemicals

A+::- 10 0/	*		
Acetic acid 10 %	++ "	Orange juice	++
Acetone		Red wine	± *
Ammonia 10 %	++ *	Sanitary cleaner	++ *
Benzine	±	Sea water	++
Castor oil	++	Sodium chloride solution	++
Caustic potash solution 10 %	++ *	Sodium hydroxide solution 10) % ++ *
Coffee	++	Sulphuric acid 10 %	++ *
Diesel	++	Turpentine	±
Engine oil	++	Vegetable fats	++
Ethanol 10 %	++	Washing-up liquid	++
Ethyl acetate		Water	++
Hydrochloric acid 10 %	++ *	Xylene	

++ = resistant

 \pm = conditionally resistant (approx. 24 hrs.)

-- = non-resistant

= discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

Finish **Triflex Cryl Finish 205**

Product information

Applications

Triflex Cryl Finish 205 is used as a finish on dressed and undressed Triflex PMMA systems to increase chemical and mechanical resistance.

Properties

2-component pigmented finish with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Finish 205 offers the following features:

- Fast-curing
- Rapidly resistant
- Satin gloss
- Solvent-free
- UV-resistant

Pack size

Drum

Summer Winter 10.00 kg 10.00 kg Triflex Cryl Finish 205 base resin 0.60 kg 0.20 kg 10.20 kg 10.60 kg

Triflex Catalyst (2 x / 6 x 0.10 kg)

Colours

2052 Amber 01	7040 Slate 01
2053 Amber 02	7037 Slate 02
1090 Amber 03	7043 Slate 03
1091 Amber 04	5088 Azurite 01
8088 Marble 01	5089 Azurite 02
7087 Marble 02	5090 Azurite 03
7088 Marble 03	7092 Granite 01
7089 Marble 04	7093 Granite 02
9010 Sand 01 (White)	7094 Granite 03
7090 Sand 02	7095 Granite 04
8089 Sand 03	5091 Opal 01
8090 Sand 04	5092 Opal 02
2088 Agate 01	5081 Opal 03
8091 Agate 02	5094 Opal 04
8092 Agate 03	7096 Malachite 01
8054 Agate 04	7097 Malachite 02
8094 Garnet 01	7098 Malachite 03
8095 Garnet 02	7073 Malachite 04
8096 Garnet 03	6088 Jade 01
8081 Ruby 01	6089 Jade 02
3089 Ruby 02	6090 Jade 03
3090 Ruby 03	6091 Jade 04
3091 Ruby 04	7035 Quartz 01
7091 Amethyst 01	7032 Quartz 02
3092 Amethyst 02	7030 Quartz 03
4088 Amethyst 03	7034 Quartz 04

For colours, please refer to the colour chart. Other colours on request.

1023 Traffic yellow 2009 Traffic orange 3020 Traffic red 4006 Traffic purple 5017 Traffic blue 6024 Traffic green



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Finish 205 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of: $0 \degree C$ to $+5 \degree C$ 10.00 kg base resin + 0.60 kg catalyst +5 °C to +15 °C 10.00 kg base resin + 0.40 kg catalyst +15 °C to +35 °C 10.00 kg base resin + 0.20 kg catalyst
Finish Triflex Cryl Finish 205

Product information

Material consumption

Approx. 0.50 to 0.70 $\mbox{kg/m}^2$ on a smooth, even surface depending on area of use.

Pot life

Approx. 15 min at +20 °C

Drying time

```
Rainproof after:
Resistant after:
```

approx. 30 min. at +20 °C approx. 2 hrs. at +20 °C

Resistance to chemicals

Acetic acid 10 %	++ *	Orange juice	++
Acetone		Red wine	± *
Ammonia 10 %	++ *	Sanitary cleaner	++ *
Benzine	±	Sea water	++
Castor oil	++	Sodium chloride solution	++
Caustic potash solution 10 %	++ *	Sodium hydroxide solution 10	% ++*
Coffee	++	Sulphuric acid 10 %	++ *
Diesel	++	Turpentine	±
Engine oil	++	Vegetable fats	++
Ethanol 10%	++	Washing-up liquid	++
Ethyl acetate		Water	++
Hydrochloric acid 10 %	++ *	Xylene	

++ = resistant

- \pm = conditionally resistant (approx. 24 hrs.)
- -- = non-resistant
- * = discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

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Finish Triflex Cryl Finish 209

Product information

Applications

Triflex Cryl Finish 209 is used as a finish on enhanced parking deck systems to increase the chemical and mechanical resistance.

Properties

2-component pigmented finish with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Finish 209 offers the following features:

- Fast-curing
- Rapidly resistant
- Satin gloss
- Satin gios
- Solvent-free
- UV-resistant

Pack size

Drum

Summer 10.00 kg <u>0.20 kg</u> 10.20 kg	Winter 10.00 kg <u>0.60 kg</u> 10.60 kg	Triflex Cryl Finish 209 base resin Triflex Catalyst (2 x / 6 x 0.10 kg)
Container		
Summer	Winter	
500.00 kg	500.00 kg	Triflex Cryl Finish 209 base resin
10.00 kg	30.00 kg	Triflex Catalyst (1 x / 3 x 10.00 kg)
510.00 kg	530.00 kg	

 Winter
 980.00 kg
 Triflex Cryl Finish 209 base resin

 _______60.00 kg
 Triflex Catalyst (2 x / 6 x 10.00 kg)

 1,040.00 kg
 Triflex Catalyst (2 x / 6 x 10.00 kg)

Colours

Summer

980.00 kg

20.00 kg

1,000.00 kg

1023 Traffic yellow 2009 Traffic orange 3020 Traffic red 4006 Traffic purple 5017 Traffic blue 6024 Traffic green 7030 Stone grey 7031 Blue grey 7032 Pebble grey 7035 Light grey 7037 Dusty grey 7040 Window grey 7043 Traffic grey B 9010 White



Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Finish 209 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

 Temperature range of:
 0°C to +5°C
 10.00 kg base resin + 0.60 kg catalyst

 +5°C to +15°C
 10.00 kg base resin + 0.40 kg catalyst

 +15°C to +35°C
 10.00 kg base resin + 0.20 kg catalyst

Finish Triflex Cryl Finish 209

Product information

Material consumption

Approx. 0.50 to 0.70 $\mbox{kg/m}^2$ on a smooth, even surface depending on area of use.

Pot life

Approx. 15 min at +20°C

Drying time

```
Rainproof after:
Resistant after:
```

approx. 30 min. at +20 °C approx. 2 hrs. at +20 °C

Resistance to chemicals

A .: : : 1.10.0/	*		
Acetic acid 10 %	++ "	Orange juice	++
Acetone		Red wine	± *
Ammonia 10 %	++ *	Sanitary cleaner	++ *
Benzine	±	Sea water	++
Castor oil	++	Sodium chloride solution	++
Caustic potash solution 10 %	++ *	Sodium hydroxide solution	10 % ++ *
Coffee	++	Sulphuric acid 10 %	++ *
Diesel	++	Turpentine	±
Engine oil	++	Vegetable fats	++
Ethanol 10 %	++	Washing-up liquid	++
Ethyl acetate		Water	++
Hydrochloric acid 10 %	++ *	Xylene	

++ = resistant

- ± = conditionally resistant (approx. 24 hrs.)
- -- = non-resistant
- * = discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Finish Triflex Cryl Finish S1

Product information

Applications

Triflex Cryl Finish S1 is used as a finish on Triflex BTS-P (S1), Triflex BFS (S1) and Triflex TSS (S1) systems.

Properties

2-component pigmented finish with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Finish S1 offers the following features:

- Fast-curing
- Rapidly resistant
- Flame-retardant
- Satin gloss
- Solvent-free
- UV-resistant

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Cryl Finish S1 base resin
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
10.20 kg	10.60 kg	

Colours

2053 Amber 02 7090 Sand 02 8089 Sand 03 8096 Garnet 03 8081 Ruby 01 (Terracotta) 7040 Slate 01 (Window grey) 7043 Slate 02 (Dust grey) 7043 Slate 03 (Traffic grey) 7094 Granite 03 5094 Opal 04 6091 Jade 04 7032 Quartz 02 (Pebble grey) 7035 Quartz 01 (Light grey) 7030 Quartz 03 (Stone grey)

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Finish S1 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

10.00 kg base resin + 0.60 kg catalyst
10.00 kg base resin + 0.40 kg catalyst
10.00 kg base resin + 0.20 kg catalyst

Material consumption

Approx. 0.50 to 0.70 \mbox{kg}/\mbox{m}^2 on a smooth, even surface depending on area of use.

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after: approx. 30 min. at +20 °C approx. 2 hrs. at +20 °C



Finish Triflex Cryl Finish S1

Product information

Resistance to chemicals

		L	
Acetic acid 10 %	++ *	Orange juice	++
Acetone		Red wine	± *
Ammonia 10 %	++ *	Sanitary cleaner	++ *
Benzine	±	Sea water	++
Castor oil	++	Sodium chloride solution	++
Caustic potash solution 10 %	++ *	Sodium hydroxide solution 10) % ++ *
Coffee	++	Sulphuric acid 10 %	++ *
Diesel	++	Turpentine	±
Engine oil	++	Vegetable fats	++
Ethanol 10%	++	Washing-up liquid	++
Ethyl acetate		Water	++
Hydrochloric acid 10 %	++ *	Xylene	

++ = resistant

 \pm = conditionally resistant (approx. 24 hrs.)

-- = non-resistant

= discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Finish Triflex Cryl Finish Satin

Product information

Applications

Triflex Cryl Finish Satin is used as a finish on Triflex PMMA systems with full dressing to increase chemical and mechanical resistance.

Properties

Triflex Cryl Finish Satin is a 2-component, unpigmented finish with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl Finish Satin offers the following features:

- Fast-curing
- Rapidly resistant
- Transparent and silk matt
- Solvent-free
- UV-resistant

Pack size

Drum

Summer	Winter	
10,00 kg	10,00 kg	Triflex Cryl Finish Satin base resin
0,20 kg	0,40 kg	Triflex Catalyst (2 x / 4 x 0,10 kg)
10,20 kg	10,40 kg	

Colours

Transparent, silk matt

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl Finish Satin can be applied at substrate and ambient temperatures of a minimum of +5 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.



Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min. Stirring time increases with decreasing material temperatures and the addition of higher quantities of catalyst.

Important note:

Only Catalyst in powder form shall be used for mixing.

Mixing ratio

Temperature range of: +5 °C to +15 °C 10,00 kg base resin + 0,40 kg catalyst +15 °C to +35 °C 10,00 kg base resin + 0,20 kg catalyst

Material consumption

Minimum 0.35 kg/m² on a smooth, even surface

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after: Can be walked on after Mechanically resistant after: Chemically resistant after: approx. 60 min. at +20 °C approx. 2 hrs. at +20 °C approx. 24 hrs. at +20 °C approx. 24 hrs. at +20 °C

Important note:

Please note that the surface finished with Triflex Cryl Finish Satin is only chemically resistant after 24 hours and covering it with a paint protection film or placing other objects on it is only permissible after this time period. We recommend ventilation of large contact surfaces, e.g. flower pots, from below.



Finish Triflex Cryl Finish Satin

Product information

Resistance to chemicals

Acetic acid 10 %	++ *	Orange juice	++
Acetone		Red wine	± *
Ammonia 10 %	++ *	Sanitary cleaner	++ *
Benzine	±	Sea water	++
Castor oil	++	Sodium chloride solution	++
Caustic potash solution 10 %	++ *	Sodium hydroxide solution 10	% ++*
Coffee	++	Sulphuric acid 10 %	++ *
Diesel	++	Turpentine	±
Engine oil	++	Vegetable fats	++
Ethanol 10 %	++	Washing-up liquid	++
Ethyl acetate		Water	++
Hydrochloric acid 10 %	++ *	Xylene	

++ = resistant

 \pm = conditionally resistant (approx. 24 hrs.)

-- = non-resistant

= discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

Triflex Pox Finish 173+

Product information

Applications

Triflex Pox Finish 173+ is used as a final finish in the Triflex CPS-C+ and Triflex CPS-I+ systems.

Properties

2-component pigmented finish with an epoxy resin (EP) base. Triflex Pox Finish 173+ has the following properties:

- Tough and resilient
- High mechanical strength
- Easy to use
- Abrasion-resistant
- Low viscosity
- Solvent-free
- Low odour

Pack size

Drum

24,50 kg Triflex Pox Finish 173+ base resin 5,50 kg Triflex Pox Finish 173+ hardener 30,00 kg

Colours

7032 Pebble grey

Other colours on request.

Storage

Shelf-stable for 12 months if stored dry and unopened within a temperature range of +10 °C to +25 °C. Keep away from direct sunlight and temperatures below the permissible range in storage and on the construction site.

Conditions for use

Triflex Pox Finish 173+ can be applied at substrate and ambient temperatures between +10 °C and +30 °C. The relative humidity must not exceed 80 %. These conditions must be maintained for at least 24 hours after application.



Preparation of the substrate

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

Add the corresponding quantity of hardener to the base resin and mix with a slow-running mixing machine for at least 3 min. Transfer to another receptacle and mix again for at least 2 min. Avoid stirring in air. Single-batch processing is recommended.

The temperature of both components should be between +15 $^\circ\text{C}$ and +25 $^\circ\text{C}$ when mixing.

Any requisite additives should be weighed in advance and added during the first mix whilst the mixing machine is running. Ensure that all fillers are evenly distributed in the resin.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 22 parts by weight / base resin : hardener



Finish Triflex Pox Finish 173+

Product information

Material consumption

At least 0.60 kg/m^2 on a sanded surface

Pot life

Approx. 20 min. at +20 $^{\circ}\text{C}$

Drying time

Can be walked on after: Can be recoated after: Can be recoated up to: Mechanically resistant after: Chemically resistant after: approx. 18 to 24 hrs. at +20 °C approx. 13 hrs. at +20 °C approx. 36 hrs. at +20 °C * approx. 5 days at +20 °C approx. 28 days at +20 °C

After laying the material, it must be protected against direct water contact and moisture penetration for at least 24 hours (at 20 °C) in order to ensure optimum curing and to prevent whitening.

* The finished surface should be recoated within 18 to 36 hours. Further preparation by means of abrasion is not necessary during this period. After 36 hours, the surface must be abraded prior to overcoating.

Resistance to chemicals

The finish has good resistance to fuels and lubricants commonly used in the car park sector.

Additional resistances of media are available with percentage values on request. Epoxy resins are generally not colour stable when exposed to UV and weather influences, i.e. shading and light texturing may occur on the surface. This is unavoidable when using this system, and does not compromise the properties.

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

Finish Triflex Than Finish 511

Product information

Applications

Triflex Than Finish 511 is used as an unpigmented finish in Triflex PUR systems and Preco Line EP 2K.

Properties

2-component, unpigmented finish with a high-quality polyurethane resin (PU) base. Triflex Than Finish 511 offers the following features:

- Tough and durable
- Gloss finish
- Resistant to chemicals
- UV-resistant
- Scratch-resistant
- Easy to clean

Pack size

Combination drums

6.25 kg Triflex Than Finish 511 Base Resin 1.75 kg Triflex Than Finish 511 Hardener 8.00 kg

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Conditions for use

Triflex Than Finish 511 can be applied at substrate and ambient temperatures of between +8 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.



Mixing instructions

Thoroughly mix the base resin, add the corresponding hardener and mix with a slow-running mixing machine. Stirring time at least 2 mins. Transfer to another receptacle and mix again.

Mixing ratio

The mixing ratio corresponds to the pack size. 100 : 28 parts by weight/base resin: Resin: Hardener

Methods of application

Manual application with finish roller.

Material consumption

Approx. 0.20 kg/m² on a smooth, even surface

Pot life

Approx. 45 mins. at +20 °C

Drying time

Dust-dry after: Can be walked on/recoated after: approx. 12 hrs. at +20 °C Resistant to chemicals after:

approx. 3 hrs. at +20 °C approx. 7 days at +20 °C





Finish Triflex Than Finish 511

Product information

Resistance to chemicals

	le service ser
Ethanol 50 % +-	+ Isopropyl alcohol ++
Formic acid 5 % +-	⊢ Isopropyl glycol ++
Ammonia 5 % +-	Caustic potash solution 30 % ++
Benzine +-	Lactic acid 5 % ++
Benzene -	E Sodium thiosulphate ++
Benzotriazole +-	Phosphoric acid 10 % ++
Boric acid 5 % +-	Nitric acid 10 % ++
Butanol +-	+ Hydrochloric acid 10 % ++
Butyl acetate	– Hydrochloric acid concentrate ±
Butyldiglycol +-	+ Soda ++
Chromic acid 5 % +-	Carbon tetrachloride
Diesel oil +-	+ Toluene ±
Acetic acid 5 % +-	Trichloroethylene
Formaldehyde 3 % +-	+ Hydrogen peroxide ++
Glycerine +-	+ Xylene ±
HD oil +-	+

++ = resistant

 \pm = conditionally resistant (approx. 24 hrs.)

-- = non-resistant



Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Triflex Towersafe Finish

Product information

Applications

Triflex Towersafe Finish is used as a pigmented finish on enhanced Triflex Towersafe waterproofing to increase the chemical and mechanical resistance. Triflex Towersafe Finish features elasticity and wear-resistance.

Properties

Triflex Towersafe Finish is a 2-component, pigmented finish with a polymethyl methacrylate (PMMA) base. Triflex Towersafe Finish offers the following features:

.....

• Fast-curing

- Rapidly resistant
- Satin gloss
- Resistant to chemicals
- Elastic
- Pigmented
- UV-resistant
- UV-TESIStall

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex Towersafe Finish base resin
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0,10 kg)
10.20 kg	10.60 kg	

Colours

7030 Stone grey 7031 Blue grey 7032 Pebble grey 7035 Light grey 7037 Dusty grey 7038 Agate grey 7043 Traffic grey B

Other colours on request.

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.



Conditions for use

Triflex Towersafe Finish can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added and mixed with the slow-running mixing machine until there are no more lumps. Stirring time: at least 2 min.





Finish Triflex Towersafe Finish

Product information

Mixing ratio

 Temperature range of:
 0°C bis +5°C
 10,00 kg base resin + 0.60 kg catalyst

 +5°C bis +15°C
 10,00 kg base resin + 0.40 kg catalyst

 +15°C bis +35°C
 10,00 kg base resin + 0.20 kg catalyst

Material consumption

Approx. 0.70 kg/m² on a smooth, even surface

Pot life

Approx. 15 min. at +20 °C

Drying time

Rainproof after:approx. 30 min. at +20 °CResistant after:approx. 2 hrs. at +20 °C

Resistance to chemicals

Ammonia 10 %	++ *	Sea water	++
Caustic potash solution 10 %	++ *	Sodium chloride solution	++
Diesel	++	Sodium hydroxide solution 10 %	++ *
Engine oil	++	Sulphuric acid 10 %	++ *
Ethanol 10 %	++	Vegetable fats	++
Hydrochloric acid 10 %	++ *	Water	++

++ = resistant

= discolouration possible

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Marking paint Preco Line 300

Product information

Applications

Preco Line 300 is used as a thin-layer, spray-applied Type I road marking on streets and parking decks and in halls, as well as on asphalt and concrete surfaces.

Properties

The 1-component, physically drying high-solid paint Preco Line 300 has an acrylate resin base and offer the following features:

-
 - Withstands mechanical loads
 - Fully bonded adhesion
 - Weather-resistant (UV, IR, etc.)
 - Alkali-resistant
- BASt-tested (German Federal Highway Research Institute)

System build-up

Triflex Than Primer L 1K – for sealing the concrete substrate and ensuring substrate adhesion.

Preco Line 300 – continuous line marking in layer thicknesses of 0.3 to 0.6 mm. Drop-on materials mix – according to the relevant BASt test certificate. Preco Line Thinner – for regulating viscosity.

Certifications and test data

Our current test certificates can be found in the download area of our website www.triflex.com under the heading "Markings" or at www.triflex.com/certificates.

Pack size

Drum

38.00 kg Preco Line 300

Colours

1023 Traffic yellow 3009 Oxide red 3013 Tomato red 3020 Traffic red 5017 Traffic blue 6024 Traffic green 7043 Traffic grey B 9005 Black 9010 White



Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Conditions for use

Ambient temperature: +5 °C to +35 °C. Substrate temperature: +5 °C to +45 °C. Rel. humidity: max. 75 %.

Methods of application

Spray application using the airless or compressed air spray method

Material consumption

Preco Line 300, density approx. 1.45 g/cm³.

Required volume approx. 0.44 kg/m² with a layer thickness of 0.3 mm Required volume approx. 0.58 kg/m² with a layer thickness of 0.4 mm

Calculation formula: Line width (m) x line length (m) x volume $(kg/m^2) =$ volume required for area (kg)

Determination of the dry layer thickness:

Thickness of wet film	300 µm	400 µm	600 µm
Dry layer thickness	180 µm	240 µm	360 µm

Drying time

Approx. 20 to 30 mins. at +20 °C



Marking paint Preco Line 300

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Product description



In addition to road marking, the marking paint **Preco Line 300** is also suitable for marking hall floors or parking spaces. In halls, Preco Line 300 is used on walkways, where it only has to withstand low mechanical loads. The economical Preco Line 300 is very well suited to this particular application. The thin-layer marking is used on asphalt and concrete surfaces. Special colours are available upon request.







- Alkali-resistant
- Fully bonded adhesion
- Weather-resistant
- Physically drying
- Low-solvent

Marking Triflex Cryl M 266

Product information

Applications

Triflex Cryl M 266 is used for the decorative, thick-layer marking of parking surfaces in the Triflex DMS system. Both lines and symbols can be marked.

Properties

2-component pigmented marking product with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl M 266 offers the following features:

-
- Weatherproof
- Highly abrasion-resistant
- Solvent-free
- UV-resistant

Pack size

Drum

 18.00 kg
 Triflex Cryl M 266 base resin

 0.40 kg
 Triflex Catalyst (4 x 0.10 kg)

 18.40 kg
 Triflex Catalyst (4 x 0.10 kg)

Colours

1023 Traffic yellow 2009 Traffic orange 3020 Traffic red 4006 Traffic purple 5017 Traffic blue 6024 Traffic green 9010 White

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl M 266 can be used at substrate and ambient temperatures of a minimum of 0° C and a maximum of $+35^{\circ}$ C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 $^{\circ}$ C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

 Temperature range of:
 0 °C to +25 °C
 18.00 kg base resin + 0.40 kg catalyst

 +25 °C to +35 °C
 18.00 kg base resin + 0.20 kg catalyst

Material consumption

Min. 4.00 kg/m² on a smooth, even surface

Pot life

Approx. 15 min at +20 °C



Marking Triflex Cryl M 266

Product information

Drying time

Rainproof after: Can be walked on after: Suitable for vehicle traffic after: approx. 20 min. at +20 °C approx. 40 min. at +20 °C approx. 1 hr. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Profile Triflex Balcony Edge Finishing Profile



Product information

Applications

The Triflex Balcony Edge Finishing Profile can be used with the Triflex BTS-P, Triflex BFS and Triflex BWS systems.

Properties

The Triflex Balcony Edge Finishing Profile is an aluminium coating profile for clean edge finishing and free-flow run-off by means of a projecting drip edge. This prevents water drainage at the leading edge of the balcony cantilever slab.

Pack size

For dimensions see sketch:



Profile length 300 cm

System accessories: connection piece, 90° inside corner, 90° outside corner

Colours

Plain aluminium

Conditions for use

The Triflex Balcony Edge Finishing Profile is cut to length and the underside degreased with Triflex Cleaner, roughened and then aligned and affixed to the substrate with Triflex Cryl Paste. After the paste has cured, the whole length of the surface-mounted profile side is sealed with a 20 cm wide sealing strip of Triflex ProDetail and Triflex Special Fleece. The Triflex Special Fleece must be laid up to the leading edge of the profile.

Further build-up is as described in the relevant Triflex systems. Profile joints are connected with connection pieces. A small and a large connection piece is required for each joint. A 3-4 mm-wide gap must be left at the joints rather than making a butt joint.



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Hardener Triflex Catalyst

Product information

Applications

Triflex Catalyst is an essential hardener when using pre-activated, reactive PMMA products.

Properties

Powder hardener for all Triflex PMMA products. Triflex Catalyst is neither a binder nor resin, but rather an oxygen-rich chemical product which functions as an initiator for curing (polymerising) pre-activated, reactive PMMA resin products.

Pack size

PE bag

0.10 kg Triflex Catalyst

Plastic can

1.00 kg Triflex Catalyst

Plastic bucket

5.00 kg Triflex Catalyst

Box

1.00 kgTriflex Catalyst (refill pack)10.00 kgTriflex Catalyst (2 x 5.00 kg)

Storage

Store Triflex Catalyst in a closed container and in a dry place away from ignition and heat sources at temperatures below +25 °C. Protect from direct sunlight. (This product may ignite spontaneously if exposed to excessive heat!) If the catalyst is stored at high temperatures, clumps will form in the free-flowing powder and it will be unusable.

Protect the catalyst from soiling! Even slight soiling from dirt, ash, rust, metal dust and the like can cause the rapid decomposition of the catalyst. This can present a hazard and reduce its reactivity.

Mixing instructions

The mixing ratio generally corresponds to the product pack size. However, check the product information of the materials to be used.

If too much or too little catalyst is used, this may impede the curing reaction, and the stated mechanical and chemical properties of the product will not be attained.



Instructions for use

The catalyst must be uniformly mixed in. See the relevant product information.

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Universal cleaner Triflex Cleaner

Product information

Applications

Triflex Cleaner is used with all Triflex PMMA, EP, PU and PUA products. It is used to pre-treat substrates and to degrease metal when overcoating or if work is interrupted. In addition, soiled tools can be cleaned with Triflex Cleaner.

Properties

Solvent-based universal cleaning agent

Pack s	ize					
Can						
1.00	Triflex Cleaner					
Canister						
9.00 27.00	Triflex Cleaner Triflex Cleaner					

Colours

Transparent

Storage

Can be stored unopened for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Instructions for use

Clean tools with Triflex Cleaner immediately after use. Merely placing tools in the cleaner will not prevent hardening.

If Triflex waterproofing and coating work is interrupted for more than 12 hours, the transition must be moistened with Triflex Cleaner.

In the case of overcoating, the cleaner must be aired for approx. 20 to 25 min.



Material consumption

Depending on the degree of soiling and the type of substrate, allow a volume of at least 0.20 $\mbox{l/m}^2.$

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Dressing Triflex Colour Mix[®]

Product information

Applications

Triflex Colour Mix is used for the surface treatment of Triflex systems.

Properties

Triflex Colour Mix is a decorative, coloured additive made of a mixture of precisely matched materials.

Pack size

Drum

10.00 kg Triflex Colour Mix

Colours

Triflex Colour Mix is used as a dressing for the colour coordinated Triflex Cryl Finish 205:

Triflex Colour Mix	Triflex Cryl Finish 205
A719 Grey	7030 Quartz 03
A720 Blue	5081 Opal 03
A721 Grey blue	5092 Opal 02
A722 Grey green	7030 Quartz 03
A724 Red orange	2053 Amber 02
A727 Cream beige	2053 Amber 02
A728 Anthracite grey	7043 Slate 03
A729 Stone Red	8081 Ruby 01
A730 White	9010 Sand 01 (White)
A731 Light Grey	9010 Sand 01 (White)

Storage

Store in a cool, dry place. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

It can be applied in surface and ambient temperatures of between +10 °C and +35 °C. Triflex Colour Mix is dressed uniformly and in excess in the still-wet Triflex Cryl Finish 205 finish using a funnel spray gun with the Colour Mix special attachment. Make sure that colour of the Triflex Colour Mix matches the finish (see Colours).

After Triflex Cryl Finish 205 has cured (approx. 2 hrs at +20 °C), the excess Triflex Colour Mix is carefully brushed off. It is essential to ensure that the surface is kept free of any contaminants (e.g., dirty footwear, tools, etc.). Then, after a further hour's waiting time, the surface is finished with Triflex Cryl Finish Satin crosswise. The Triflex Finish Roller must be used for the application of Triflex Cryl Finish 205 and Triflex Cryl Finish Satin. If any upturns, details, etc. have been waterproofed, these areas must be dealt with prior to finishing.



Material consumption

Approx. 0.80 to 1.00 kg/m² on a smooth, even surface

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Product information

Applications

Triflex Cryl R 238 is used to seal the slots after laying contact loops (induction loops) in asphalt surfaces.

Properties

2-component pigmented sealing compound with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl R 238 offers the following features:

- Fast-curing
- Surface levelling
- Fast-curing
- UV-resistant
- Solvent-free
- Weather-resistant
- Waterproof
- Flexible
- Wear-resistant
- Suitable for vehicle traffic
- Withstands high mechanical loads

Pack size

Drum

Summer	Winter	
15.00 kg	15.00 kg	Triflex Cryl R 238 base resin
0.30 kg	0.60 kg	Triflex Catalyst (3 x / 6 x 0.10 kg)
15.30 kg	15.60 kg	

Colours

7021 Black grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl R 238 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Important note:

Use only Powder Catalyst for mixing.

Mixing ratio

Temperature range of:

0°C to +5°C	15.00 kg base resin + 0.60 kg catalyst
+5 °C to +15 °C	15.00 kg base resin + 0.60 kg catalyst
+15°C to +35°C	15.00 kg base resin + 0.30 kg catalyst

Material consumption

Approx. 1.85 kg/m² per mm thickness on a smooth even surface





Product information

approx. 30 min. at +20 °C

approx. 1 hr. at +20 °C

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after:

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Product information

Applications

Triflex Cryl R 239 is used to seal the slots (slot width between 5 and 20 mm) after laying contact loops (induction loops) in asphalt surfaces. Triflex Cryl R 239 is not suitable for waterproofing settlement joints.

Properties

2-component pigmented sealing compound with a polymethyl methacrylate resin (PMMA) base. Triflex Cryl R 239 offers the following features:

- Surface levelling
- Fast-curing
- Weather-resistant
- Waterproof
- Flexible
- Wear-resistant
- UV-resistant
- Suitable for vehicle traffic
- · Withstands high mechanical loads

Pack size

Drum

Summer	Winter	
5.00 kg	5.00 kg	Triflex Cryl R 239 base resin
0.10 kg	0.20 kg	Triflex Catalyst (1 x / 2 x 0.10 kg)
5.10 kg	5.20 kg	

Colours

7021 Black grey

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Cryl R 239 can be applied at substrate and ambient temperatures between 0 °C and +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min.

Mixing ratio

Temperature range of:	
0 °C to +5 °C	5.00 kg base resin + 0.20 kg catalyst
+5°C to +15°C	5.00 kg base resin + 0.20 kg catalyst
+15°C to +35°C	5.00 kg base resin + 0.10 kg catalyst

Material consumption

Approx. 1.85 kg/l on a smooth, even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after:

approx. 30 min. at +20 °C approx. 1 hr. at +20 °C

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

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Triflex Accessories Triflex Design Sheet

Product information

Applications

The Triflex Design Sheet/Triflex FloorTattoo is used for the surface design of Triflex systems and is combined with the finishing variants Triflex Micro Chips or Triflex Colour Design.

Properties

The Triflex Design Sheet/Triflex FloorTattoo is a 3-ply application sheet for the application of patterns (e.g. tile, diamond, border) or logos, drawings and other types of decoration onto balcony surfaces.

Pack size

Triflex Design Sheet, tile pattern "Quarry stone"



Dimensions: 120 x 87 cm, 1.04 m² – Delivery quantity: 5 units (5.22 m²)

Triflex Design Sheet Q100, tile pattern "Tile 10 x 10 cm"



0.8 cm 10 cm 0.8 c

Dimensions: 130.4 x 87.2 cm, 1.14 m²- Delivery quantity: 5 units (5.70 m²)



Triflex Design Sheet Q145, tile pattern "Tile 14.5 x 14.5 cm"



Dimensions: 156 x 94 cm, 1.46 m² – Delivery quantity: 5 units (7.30 m²)

Triflex Design Sheet Q195, tile pattern "Tile 19.5 x 19.5 cm"



Dimensions: 165 x 83 cm, 1.37 m² – Delivery quantity: 5 units (6.85 m²)



Triflex Accessories Triflex Design Sheet

Product information

Triflex Design Sheet Q300, tile pattern "Tile 30 x 30 cm"



Dimensions: 156 x 94 cm, 1.46 m² - Delivery quantity: 5 units (7.30 m²)

Triflex Design Sheet R195, tile pattern "Tile 19.5 x 14.5 cm"



1 cm 19.5 cm 1 cm

Dimensions: 165 x 94 cm, 1.55 m² – Delivery quantity: 5 units (7.75 m²)

Triflex Design Sheet R300, tile pattern "Tile 30 x 19.5 cm"



Dimensions: 156 x 83 cm, 1.29 m^2 – Delivery quantity: 5 units (6.47 m^2)

121 cm 1 cm 39 cm 1 cm 39 cm 1 cm 39 cm 1 cm 5 m 69 81 cm ξ. 5 9 C E ε 59 cm 19 cm 1 <u>cm</u> 39 cm 1 cm 1 cm 1 cm

Dimensions: 121 x 81 cm, 0.98 m² – Delivery quantity: 5 units (4.90 m²)

Triflex Design Tape 10 mm

Sheet tape for the creation or expansion of tile patterns on surfaces or on details and flashing. Dimensions: 10 mm wide, 5 m long – Delivery quantity: 1 roll

Triflex FloorTattoo, Border "Classic"



Dimensions: Design 262.6 x 15 cm and corner piece 15 x 15 cm Delivery quantity: 4 units

Triflex FloorTattoo, Border "Floral"



Further borders on request.

Triflex Design Sheet WV1, tile pattern "Irregular lattice"



Triflex Accessories Triflex Design Sheet



Product information

Triflex FloorTattoo wind rose



Dimensions: 55 x 55 cm, 0.30 m² – Delivery quantity: 1 unit

Further individual motifs on request.

Storage

Store in a dry place between +10 °C and +30 °C. Avoid direct contact with sunlight. Store at constant temperatures, away from direct sunlight in storage and on the construction site.

Conditions for use

The Triflex Design Sheet is affixed to the finish layer. Please observe the instructions for use and the system description. If upturns, details, etc. have been waterproofed, the pattern must be applied to these areas prior to finishing. It is also possible to use Triflex Design Tape sheet tape in such cases.

When affixing the sheet, the substrate temperature must be at least +10 °C and at least 3 °C above the dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

When applying the Triflex Design Sheet, temperatures must be as constant as possible. At the same time, the substrate temperature must not exceed +30 $^\circ\text{C}.$

Material consumption

 $1\ m^2$ Triflex Design Sheet per $1\ m^2$ substrate (plus offcuts) on a smooth, even surface.

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Sealing compound Triflex FlexFiller

Product information

Applications

Triflex FlexFiller is used in the sealing of joints.

Properties

2-component pigmented sealing compound with a polymethyl methacrylate resin (PMMA) base. Triflex FlexFiller offers the following features:

- Surface levelling
- Fast-curing
- Weather-resistant
- Waterproof
- Flexible
- Withstands mechanical loads
- Wear-resistant
- UV-resistant

Pack size

Drum

Summer	Winter	
10.00 kg	10.00 kg	Triflex FlexFiller base resin
0.20 kg	0.60 kg	Triflex Catalyst (2 x / 6 x 0.10 kg)
10.20 ka	10.60 ka	

Colours

7032 Pebble grey 7043 Traffic grey B

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex FlexFiller can be applied in surface and ambient temperatures of a minimum of 0 °C and a maximum of +35 °C. In enclosed spaces, always ensure forced ventilation with a minimum 7-fold air exchange per hour.



Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, table 1). See dew point temperature table.

Mixing instructions

After thoroughly mixing the base resin, the corresponding catalyst quantity is added to and mixed with a slow-running mixing machine until there are no more lumps. Stirring time at least 2 min. Small amounts can be mixed with a stick.

Mixing ratio

Temperature range of:

0°C to +5°C	10.00 kg base resin + 0.60 kg catalyst
+5°C to +15°C	10.00 kg base resin + 0.40 kg catalyst
+15 °C to +35 °C	10.00 kg base resin + 0.20 kg catalyst

Material consumption

Approx. 2.20 kg/m² per mm thickness on a smooth even surface

Pot life

Approx. 15 min at +20 °C

Drying time

Rainproof after: Resistant after: approx. 30 min. at +20 °C approx. 3 hrs. at +20 °C



Sealing compound Triflex FlexFiller

Product information

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Triflex Glass Cleaner

Product information

Applications

Triflex Glass Cleaner is used on glass. It is used to prepare glass substrates prior to priming with Triflex Glass Primer.

Properties

Triflex Glass Cleaner is a solvent-based cleaning agent for glass substrates.

Pack size

Single can

750 ml Triflex Glass Cleaner

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Glass Cleaner can be applied at substrate and ambient temperatures between 0 °C and +35 °C.

Material consumption

Depending on the degree of soiling, allow a volume of at least 0.05 $\rm l/m^2$ (50 ml) on a smooth, even surface.

Drying time

Approx. 10 min. at +20 °C



Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for the respective purpose. Technical information is subject to changes without notice in the interests of technical advancement or enhancement of our products.

Important note:

Special under-gloves must be worn when applying Triflex Glass Cleaner.







Adhesive Triflex HeatTec Adhesive EP



Product information

Applications

Triflex HeatTec Adhesive EP is a fast-curing, ready-to-use, highly viscous filling compound for bonding in Triflex HeatTec heating laminates.

Properties

Triflex HeatTec Adhesive EP is a 2-component paste with an epoxy resin base. It is characterised by the following quality features:

- Fast-curing
- Solvent-free
- Solvent-nee
- Highly viscous
- Unpigmented
- Low odour

Pack sizes

Drum

13.30 kg	Triflex HeatTec Adhesive EP base resin
5.00 kg	Triflex HeatTec Adhesive EP Hardener
18.30 kg	

Colours

Beige

Storage

Shelf-stable for 24 months if stored in a dry place, unopened and unmixed within a temperature range of +5 °C to +25 °C. Keep the container out of direct sunlight and avoid temperatures below the permissible range when in storage and on the construction site.

Conditions for use

Triflex HeatTec Adhesive EP can be applied at substrate and ambient temperatures between +5 °C and +25 °C. In the process, the temperature must be at least 3 °C above the dew point.

Preparation of the substrate

The substrate must be prepared by grinding, milling or shot-blasting until it is sound, dry and free of loose or adhesion-reducing particles. Ensure that moisture cannot penetrate from underneath. Cracks, joint faces and cavities must be prepared properly and primed beforehand.



Mixing instructions

The base resin is stirred thoroughly. The hardener is then completely emptied into the base resin with the mixing machine running slowly, and both components are mixed thoroughly. The paste is transferred to another container and quartz sand (grain size 0.3–0.8 mm) is stirred in with a ratio of 3:2 (paste:quartz sand). Stirring time at least 2 min. The finished mix must be used immediately.

Mixing ratio

The mixing ratio corresponds to the pack size of the paste. In addition, prepare quartz sand (grain size 0.3–0.8 mm) (100:38 parts by weight/base resin:hardener): 92 parts by weight quartz sand

Application instructions

After embedding the laminates, any excess Triflex HeatTec Adhesive EP must be removed completely in order to ensure optimum adhesion to the following Triflex coating and waterproofing system. Alternatively, Triflex HeatTec Adhesive EP can be dressed with surplus of quartz sand. Any surplus quartz sand is removed once the adhesive has cured.

Material consumption

Approx. 6.0 kg/m² with a roughness depth of R_{T} = 0.5 mm The volume depends on the nature of the substrate.

Pot life

Approx. 7 min. at +20 °C

Drying time

Can be walked on after: Subsequent coating after: Final strength after: approx. 5 hrs. at +20 °C approx. 12 to 18 hrs. at +20 °C approx. 3 days at +20 °C

Adhesive Triflex HeatTec Adhesive EP



Product information

Information on particular hazards

See safety data sheet, section 2

Safety advice

See safety data sheet, sections 7 and 8

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Triflex HeatTec accessories Triflex HeatTec Heating Laminate

Product information

Applications

The heating laminate is used in the Triflex HeatTec outdoor heating system for ramps, entrances and exits, terraces and walkways. It can withstand the high mechanical and chemical loads required in these areas. The Triflex HeatTec heating system can also be used for other pedestrian and vehicular outdoor areas. These include, e.g. rail platforms, helicopter landing pads, staircases and many more.

Properties

Triflex HeatTec Heating Laminate comprises:

- ______
- Carbon/glass fabric for the heating level
 Glass/steel fabric for equipotential bonding
- Epoxy resin/glass fabric as base material
- Copper strips for internal contacting
- Special PVC/PUR hose line 3 G 0.75 mm² as connection line

The listed fabric types are embedded in a fully cured glass fibre reinforced epoxy laminate with a glass transition (Tg) of 130°. This construction facilitates a high level of efficiency when converting

electrical energy into heat radiation, and can be coated with various Triflex surface protection systems.

They comply with the standards:

-
- IEC 60893 EP GC 202
- DIN 7735 HGW 2372.1
- Nema FR4
- UL 94 VO File E310805
- TÜV: EN 60335-1:2012; EN 60335-2-96:2002 + A1:2004 + A2:2009
- RoHS

Pack sizes

The heating laminates are available in the following sizes:

-
- Triflex HeatTec Heating Laminate: 2.30 m x 1.00 m
- Iriflex HeatTec Heating Laminate for sensor: 2.30 m x 1.00 m
- Triflex HeatTec Heating Laminate: 2.30 m x 0.52 m
- Iriflex HeatTec Heating Laminate: 1.00 m x 1.00 m
- Triflex HeatTec Heating Laminate: 1.00 m x 0.52 m
- 6 Triflex HeatTec Heating Laminate: 0.75 m x 1.00 m
- 🕖 Triflex HeatTec Heating Laminate: 0.50 m x 1.00 m
- 8 Triflex HeatTec Heating Laminate: 0.25 m x 1.00 m
- Iriflex HeatTec Heating Laminate Curve: 1.00 m x 1.00 m (external)

All laminates are supplied with a cable of 7.5 m in length.




Triflex HeatTec accessories Triflex HeatTec Heating Laminate



Product information

Storage

The laminates must be stored in a cool, dry place and above freezing.

Application instructions

Triflex HeatTec Heating Laminates can be applied at substrate and ambient temperatures between +5 °C and +35 °C.

Technical data

Property	Standard	Unit	Value
Thickness of the laminate	-	mm	1.2
Operating voltage/AC.	-	V	230
Electrical power	-	W/m ²	190
Insulation resistance	-	$M\Omega/m^2$	> 5
Density	ISO 1183	g/cm ³	approx. 1.92
Flexural strength at 23 °C, longitudinal	ISO 178	MPa	380
Flexural strength at 23 °C, transverse	ISO 178	MPa	365
Tensile strength	SO 527	MPa	235
Flammability	UL-94 IPC	Level	V 0
Water absorption	TM 650	%	< 0.5
Glass transition temperature	Tg IPC TM 650	°C	130
Thermal conductivity	DIN 52612	W/mk	0.3
Linear expansion coefficient	VDE 0304/2	K-1	15.10-6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Hardener Triflex Liquid Catalyst

Product information

Applications

Triflex Liquid Catalyst is used as an alternative hardener component in place of powered Triflex Catalyst when processing reactive PMMA products. Triflex Liquid Catalyst is not suitable for Triflex Cryl Finish Satin or Triflex Cryl R 238.

Properties

Liquid catalyst for almost all Triflex PMMA products. Triflex Catalyst is neither a binder nor a resin, but rather an oxygen-rich chemical product which functions as an initiator for curing (polymerising) pre-activated, reactive PMMA resin products.

Pack size

Cartridge

1.16 kg Triflex Liquid Catalyst*

Plastic canister

20.00 kg Triflex Liquid Catalyst

* This is the equivalent of 1 litre Of liquid catalyst or the reaction quantity of 1.00 kg of powdered Triflex Catalyst. One unit of packaging contains four cartridges.

Storage

Store Triflex Liquid Catalyst in a dry place and in a closed container away from ignition and heat sources and above freezing at a temperature between 0 °C and +25 °C. Protect from direct sunlight. The cartridge should be stored in a horizontal position. This product may ignite spontaneously if exposed to excessive heat.

Protect the catalyst from soiling! Even slight soiling from dirt, ash, rust, metal dust and the like can cause the rapid decomposition of the catalyst. This can present a hazard and reduce its reactivity.

Mixing instructions

Shake the cartridge about 1 min before use. The components of the catalyst may be subject to sedimentation if stored for a longer period. It is imperative that the constituents be distributed evenly in the interest of satisfactory processing results.

Details on mixing ratios can be found in the product information of the product to be used. The cartridge has a scale for converting to the same reaction quantity for powdered Triflex Catalyst.

Mixing is performed in a separately available Triflex Cartridge Applicator Gun. The required quantity can be read from a scale on the cartridge. If too much or too little catalyst is used, this may impede the curing reaction, and the stated mechanical and chemical properties of the product will not be attained.



Processing instructions

The catalyst is stirred evenly into the PMMA base resin. See the relevant product information.

Notes on special hazards

See safety data sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Thickening agent Triflex Liquid Thixo

Product information

Applications

Triflex Liquid Thixo is used as a thickening agent in Triflex PMMA products to allow the coating of vertical surfaces. It is not suitable for EP or PUR products.

Properties

Triflex Liquid Thixo is a thickening agent in liquid form.

Pack size

Metal bottle

0.50 litre Triflex Liquid Thixo

Colours

Transparent

Storage

Can be stored unopened for max. 12 months in a cool, dry place above freezing at temperatures below +10 °C.Keep the container out of direct sunlight, even on the construction site.

Mixing ratio

Amount to be added up to 1 % by weight

Instructions for use

Triflex Liquid Thixo is evenly mixed into the PMMA base resin. After a maturing time of approx. 2 to 5 mins., thixotropy sets in. Triflex catalyst is then mixed in according to the product information for the PMMA product.





Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Dressing Triflex Micro Chips

Product information

Applications

Triflex Micro Chips are used for applying "Chips Design" surface designs with Triflex systems. They are a decorative dressing material with an acrylate copolymer base.

Pack size

Drum

2.00 kg Triflex Micro Chips

Colours

7030 Stone grey 8012 Red brown 9005 Black 9010 White

Storage

Store in a cool, dry place. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

The Triflex Micro Chips, previously mixed 1 : 1, are blown into the still-wet finish with a funnel spray gun. If any upturns, details, etc. have been waterproofed, the Micro Chips must be applied to these areas prior to finishing.



Material consumption

The volume is at least 0.05 kg/m², on a smooth, even surface, depending on how densely the chips are applied.

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Edge profile Triflex P 250 Balcony Edge Finishing Profile



Product information

Applications

The Triflex P 250 Balcony Edge Finishing Profile is used as an edge finishing profile with the Triflex BTS-P, Triflex BFS and Triflex BWS systems.

Properties

The Triflex P 250 Balcony Edge Finishing Profile is a powder-coated aluminium profile for a clean edge finish and free drainage.

Pack size

For dimensions see sketch:





System accessories: connection piece, 90° inside corner, 90° outside corner, assembly pin

Colours

Anthracite metallic, powder coated

Conditions for use

Cut the Triflex P 250 Balcony Edge Finishing Profile to length and degrease the underside with Triflex Cleaner, roughen it and then align and secure it to the substrate with Triflex Cryl Paste. Once the paste has cured, make sure that the visible details of the powder-coated profile are masked with masking tape to protect them from soiling and damage.

Seal the surface-mounted profile rail with a 20 cm wide sealing strip with Triflex ProDetail including Triflex Special Fleece over the complete length of the profile. The Triflex Special Fleece must be laid up to the leading edge of the profile. Further build-up is as described in the relevant Triflex systems.

Profile joints are connected with connection pieces. One connection piece is required for each joint. For the best possible flush alignment, connect the profiles with an assembly pin. A gap of 3 to 4 mm in width must be left between the joints rather than making a butt joint.



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Thickening agent Triflex Powder Thixo

Product information

Applications

Triflex Powder Thixo is used to modify the thixotropy of Triflex PMMA, EP and PUR systems in order to allow the coating of vertical surfaces.

Properties

Triflex Powder Thixo is a thickening agent in fibre form.

Pack size

PE bag

1.00 kgTriflex Powder Thixo5.00 kgTriflex Powder Thixo

Colours

White

Storage

Can be stored unopened for a maximum of 12 months in a cool, dry place. Keep away from direct sunlight when in storage and on the construction site.

Mixing ratio

2-4% depending on the desired degree of thixotropy.

Application

Triflex thixotroping agent is gradually and uniformly mixed into the base resin and stirred for a minimum of 2 minutes. A suitable mixing machine should be used for this purpose. The hardener or catalyst is then added according to the product information for the particular Triflex product.



Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.





Adhesive Triflex ProDrain Fix

Product information

Applications

Triflex ProDrain Fix is used to bond the Triflex DC-MAT Uncoupling Membrane to the Triflex ProDrain system.

Properties

The adhesive offers the following features:

- High adhesive strength
- Very easy to use
- Good stability
- Malleable
- Flexible

Pack sizes

Paper sack

25.00 kg Triflex ProDrain Fix

Storage

Store in a cool, dry, frost-free place and keep protected from moisture.

Conditions for use

Substrates must be sound, even, clean and free from adhesion-reducing residues.

Preparation of the substrate

See the system description for Triflex ProDrain.

Mixing instructions

Mix with water using a mixing machine until there are no more lumps. Make sure that you only mix the amount of adhesive that can be used throughout. You should not wait too long between applications.

Mixing ratio

Mix 25.00 kg of Triflex ProDrain Fix with 7.50 l of water.





Application instructions

Apply the adhesive in 2 coats. The first layer is applied thinly in sections and in the entire membrane with the smoothing trowel. The second coat is applied on top of the still fresh coat with a notched trowel. Only apply as much adhesive as can be covered with the Triflex Uncoupling Membrane DC-Mat before a skin is formed. Press the uncoupling membrane into the adhesive bed with a pressure roller.

During the application and drying of Triflex ProDrain Fix, the substrate temperature must not drop below +5 °C. Do not use in direct sunlight. Be aware that in windy conditions, shorter setting times are sufficient.

Important:

The Triflex Uncoupling Membrane DC-Mat must be loaded as little as possible when applying the load distribution layer and the subsequent Triflex BTS-P system. To protect it from point loads, a thin wooden board can be placed on top.

Material consumption

Approx. 3.00 $\mbox{ kg/m^2} - \mbox{ depending on the selected notching of the notched trowel}$

Pot life

Approx. 1 hr. at +20 °C

Adhesive Triflex ProDrain Fix

Product information

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6



General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Triflex ProJoint+ accessories Triflex ProJoint Cleaner

Product information

Applications

Triflex ProJoint Cleaner is used for cleaning and improving the adhesion of Triflex ProJoint Fix adhesive on smooth surfaces and on Triflex ProJoint profiles.

Properties

Solvent-based cleaning agent for smooth surfaces. Removes all contamination, such as release agents, preservatives, grease, oil, dust and water and other substances which compromise adhesion.

Pack size

Metal bottle

0.30 I Triflex ProJoint Cleaner

Colours

Transparent

Storage

Can be stored unopened for approx. 12 months in a cool, dry place above 0° C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProJoint Cleaner can be applied at substrate and ambient temperatures from +5 $^{\circ}C$ min. to +35 $^{\circ}C$ max.

Preparation of the substrate

The surfaces must be cleaned and any loose dirt removed. Before the expansion strip is secured, the Triflex ProJoint profiles first have to be cleaned with Triflex ProJoint Cleaner.

Application instructions

Shake Triflex ProJoint Cleaner thoroughly and apply it undiluted with a brush to the cleaned and dried surfaces to form an all-over film. To prevent the formation of puddles, it is advisable to go over the coated surface again with the brush. Protect the treated areas from moisture and dust. Once cured, Triflex ProJoint Cleaner cannot be removed, so you should apply it carefully to prevent any contamination (yellowing, staining etc.).



Coverage

Approx. 0.03 l/m

Drying time

Approx. 30 mins. at +23 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Triflex ProJoint+ accessories Triflex ProJoint Fix

Product information

Applications

Triflex ProJoint Fix is used to secure the expansion strip on Triflex ProJoint profiles in the Triflex ProJoint+ system.

Properties

Single-component polyurethane-based adhesive

- High mechanical notch toughness and tear resistance
- Suitable for stress-compensation bonding and dynamic loads
- No contact pressure required
- Fast-curing
- Levels the substrate
- Silicone-free
- Shicolic fic

Tubular bag

Pack size

0.60 I Triflex ProJoint Fix

Colours

Anthracite

Storage

Can be stored unopened for approx. 12 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex ProJoint Fix can be applied at substrate and ambient temperatures from +5 °C min. to +35 °C max. These temperatures must be observed exactly, particularly in the summer months, as a higher substrate temperature can have a negative effect on the material properties.

Preparation of the substrate

The surfaces must be cleaned and any contamination, such as release agent, preservative, grease, oil, dust water or any other substances which compromise adhesion, must be removed. The Triflex ProJoint joint profiles must be cleaned with Triflex ProJoint Cleaner before the expansion strips can be secured to them.



Application instructions

To achieve optimum adhesion and good mechanical properties, air must be excluded. The curing time can be shortened by keeping the area moist and raising the temperature.

The expansion strip must be secured with Triflex ProJoint Fix before a skin forms.

Coverage

Approx. 0.06 l/m

Drying time

Approx. 15 mins. at +23 °C

Information on particular hazards

See Safety Data Sheet, section 2

Safety advice

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Triflex ProJoint+ accessories Triflex ProJoint Profile

Product information

Applications

Triflex ProJoint Profile is used in the Triflex ProJoint+ system for expansion joints.

Properties

The Triflex ProJoint Profile is a polymer side section which protects expansion joints in multistorey and underground car parks. The profile consists of:

- Triflex ProJoint Profile
- Triflex ProJoint Expansion Strip

Pack sizes



Triflex ProJoint Profile Profile length: 120 cm

Triflex ProJoint Expansion Strip 10 cm x 26 m 10 cm x 13 m 10 cm x 6.5 m

Colours

Profile: Dark grey Expansion strip: Black

Storage

To prevent deformations, the Triflex ProJoint Profile should be stored in a cool, dry indoor place at temperatures from +5 °C to +30 °C. It is advisable to store the joint profiles in a horizontal, flat position.



Instructions for use

Cut the Triflex ProJoint Profile to length. Degrease the flange of the profile using Triflex ProJoint Cleaner, then align and secure it on the Triflex ProDetail detail waterproofing system using Triflex Cryl Paste. Clean the joint profiles and then secure the expansion strip with

Triflex ProJoint Fix adhesive. Once the paste has cured, the surface protection system on the seated joint profile is brought up to the expansion strip.

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Special fabric Triflex ProMesh

Product information

Applications

Triflex ProMesh is used for reinforcement in the Triflex ProDeck system.

Properties Triflex ProMesh is a special fabric with material-reinforcing and crack-bridging properties. The mass per unit area is 350 g/m². • Patent pending Pack size Roll 100 cm x 100 m w x I Triflex ProMesh Vhite Storage

Store Triflex ProMesh vertically in a dry place and protect against moisture.



Instructions for use

It is used in the Triflex ProDeck system. Triflex ProMesh is embedded and saturated in the resin and pressed down to remove all creases and voids. The fabric is fully saturated wet-on-wet; see also the Triflex ProDeck system description. Fabric panel ends must be butted together.

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Additional product **Triflex Release Agent**

Product information

Applications

Triflex Release Agent can be applied to tools and machine parts as well as wooden and metal templates. It is used to bring about a quicker and more effective removal of adherent marking materials. The material can be easily removed using mechanical means even after hardening.

Properties

Solvent-based release agent with wax base for PMMA and EP resins. Triflex Release Agent is characterised by the following quality features:

- • Fast-drying
 - Good release effect
 - Easy to remove
 - Verv economical
- · Prolongs service life of tools / machines

Pack size

Canister

5.00 litres Triflex Release Agent

Colours

Transparent

Storage

Can be stored unopened and unmixed for approx. 12 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Conditions for use

The material must be brought to room temperature and shaken before application.

Methods of application

Triflex Release Agent is liquid and can be applied with a brush or with the aid of a simple spray bottle. If necessary, the release agent can be thickened using Triflex Powder Thixo.



Material consumption

Density approx. 0.77 g/cm³

Approx. 20 g/m² on a smooth, even surface

Drying time

Can be used after: approx. 2 mins. at +20 °C

Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high guality of our products. Non-Triflex products must not be used with Triflex systems.

Polyester fleece Triflex Special Fleece

Product information

Applications

Triflex Special Fleece is used for reinforcement and layer thickness control with Triflex PMMA and PUR systems.

Properties

Triflex Special Fleece is a polyester fleece with material-reinforcing and crack-bridging properties. The mass per unit area is 110 g/m².

• Registered design

Pack size

Roll

15.00 cm x 50 m 20.00 cm x 50 m 26.25 cm x 50 m 35.00 cm x 50 m 52.50 cm x 50 m 70.00 cm x 50 m 105.00 cm x 50 m	w x l w x l	Triflex Special Fleece Triflex Special Fleece Triflex Special Fleece Triflex Special Fleece Triflex Special Fleece Triflex Special Fleece Triflex Special Fleece
Moulded components		
Outside corner 16 x 8 x 16 cm Inside corner 15 x 8 x 15 cm Pipe collars (2-part)	w x h x d w x h x d	Triflex Special Fleece Triflex Special Fleece
400 x 400 x 60 mm	wxlxh	Triflex Special Fleece
Pipe Ø 80 mm (approx. DN 70) Pipe Ø 110 mm (approx. DN 100) Pipe Ø 135 mm (approx. DN 125)		

Colours

White

Storage

Store Triflex Special Fleece in a dry place and protect against moisture and dampness.



Instructions for use

It is used with Triflex PMMA and PUR systems. The fleece is embedded and saturated in the resin and pressed down to remove all creases and voids. The fleece is fully saturated wet-on-wet; see also the Triflex system descriptions. Fleece strips and lengths must overlap at least 5 cm at the transitions. The Triflex lettering on the fleece indicates the overlap.

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Micro-perforated polyester fleece Triflex Special Fleece PF

Product information

Applications

Triflex Special Fleece PF is used for reinforcement and layer thickness control with Triflex PMMA systems.

Properties

Triflex Special Fleece PF is a micro-perforated fleece polyester with materialreinforcing and crack-bridging properties. The perforations in the fleece ensure fast absorption of the resin and reduce the risk of air inclusions. The mass per unit area is 110 g/m².

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• Protected by utility model

- Patent pending

Pack size

Roll

15.00 cm x 50 m	w x l	Triflex Special Fleece PF
20.00 cm x 50 m	w x l	Triflex Special Fleece PF
26.25 cm x 50 m	w x l	Triflex Special Fleece PF
35.00 cm x 50 m	w x l	Triflex Special Fleece PF
42.50 cm x 50 m	w x l	Triflex Special Fleece PF
52.50 cm x 50 m	w x l	Triflex Special Fleece PF
70.00 cm x 50 m	w x l	Triflex Special Fleece PF
05.00 cm x 50 m	w x l	Triflex Special Fleece PF

Colours

White

Storage

Store Triflex Special Fleece PF in a dry place and protect against moisture and dampness.



Instructions for use

Designed for application with Triflex PMMA systems. The fleece is embedded and saturated in the resin and pressed down to remove all creases and voids. The fleece is fully saturated wet-on-wet; see also the Triflex system descriptions. Fleece strips and lengths must overlap at least 5 cm at the transitions. The Triflex lettering on the fleece indicates the overlap.

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Polyester fleece, self-adhesive Triflex Special Fleece SK

Product information

Applications

Triflex Special Fleece SK is used for reinforcement and layer thickness control with Triflex PMMA systems, especially for construction joints and thermal breaks.

Properties

Triflex Special Fleece SK is a self-adhesive fleece polyester (110 g/m²) with material-reinforcing and crack-bridging properties. The reverse side is also covered with butyl rubber adhesive.

Pack size

Roll

20.00 cm x 20 m	wxl	Triflex Special Fleece SK 200
25.00 cm x 20 m	w x l	Triflex Special Fleece SK 250
35.00 cm x 20 m	wxl	Triflex Special Fleece SK 350

Fleece Underside Fleece Adhesive 50 mm 100 mm 50 mm 100 mm 50 mm Triflex Special Fleece SK 200 100 mm 50 mm 100 mm 50 mm 100 mm Triflex Special Fleece SK 250 100 mm 150 mm 100 mm Triflex Special Fleece SK 250

Colours

White

Storage

Store Triflex Special Fleece SK flat in a dry place and protect against moisture and dampness.



Application

Designed for application with Triflex PMMA systems. The fleece is first attached using the self-adhesive strip. Following this, the sides are generously embedded in the resin and pressed down to remove all creases and voids. The fleece is fully saturated wet-on-wet; see also the Triflex system descriptions.

Important notes:

Triflex Special Fleece SK must not be overlapped; the joints are butted together. The joint is also overlapped with an additional strip of Triflex Special Fleece (Standard). Temperatures higher than 28 °C may make it harder to remove the protective backing film.

Triflex Special Fleece SK may be used in in Category K1 (standard roof) areas that fall under the provisions of DIN 18531.

If application is required according to Category K2 (roofs with more stringent requirements), the surface of the waterproofing must be treated with an additional layer of Triflex ProDetail (approx. 1 kg/m²) once it is fully cured.

General notes

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Profile Triflex Stone Design Balcony Edge Finishing Profile



Product information

Applications

The Triflex Stone Design Balcony Edge Finishing Profile is used for the Triflex Stone Design surface.

Properties

The Triflex Stone Design Balcony Edge Finishing Profile is an aluminium coating profile for clean edge finishing and free-flow run-off by means of a projecting drip edge. This prevents water drainage at the leading edge of the balcony cantilever slab.

Pack size

For dimensions see sketch:



Profile length 300 cm

System accessories: Connection piece, 90° outside corner (no inside corner)

Colours

7004 Signal grey

Conditions for use

The Triflex Stone Design Balcony Edge Finishing Profile is cut to length and the underside degreased with Triflex Cleaner, roughened and then aligned and affixed to the substrate with Triflex Cryl Paste. After the paste has cured, the whole length of the surface-mounted profile side is sealed with a 20 cm wide sealing strip of Triflex ProDetail and Triflex Special Fleece. The Triflex Special Fleece must be laid up to the leading edge of the profile.

Further build-up is as described for each Triflex waterproofing system. Profile joints are connected with connection pieces. The connectors are affixed with Triflex Cryl Paste.



General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Special aggregate Triflex Stone Design Galaxy

Product information

Applications

Triflex Stone Design Galaxy is used to refine the Triflex Stone Design finish variant.

Properties

Polymethyl methacrylate-based luminescent aggregates with mineral filler. The aggregates show their natural luminescent effect when charged by the UV light components from natural and artificial light sources. The luminescent effect creates a starlit sky affect at night and/or increases safety, e.g. on steps, as they remain luminescent for up to 10 hours.

Pack sizes

Plastic can

0.80 kg Triflex Stone Design Galaxy

Colours

Luminescent blue-green

Grading curve: 1-5 mm

Storage

Cool, dry and above freezing approx. 12 months.

Conditions for use

See Triflex Stone Design R 1K.

Preparation of the substrate

The pre-treated and coated substrates must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the entire surface from underneath. Gradient of 1.5-2 % must be guaranteed. Substrate adhesion must be tested on a case-by-case basis.



Mixing instructions

Stir the Triflex Stone Design R 1K thoroughly and empty completely into a suitable mixing vessel.

The Triflex Stone Design S is slowly added to the resin with Triflex Stone Design Galaxy and blended homogeneously. Prevent clumping when mixing. All the stones must be completely encased by the resin. Stirring time: at least 3 min. Apply evenly with smoothing trowel and apply a final finish with 150 g/m² Triflex Stone Design R 1K after approx. 12–20 hours.

Suitable hand mixer: e.g. Protool MXP 1000 E EF or Collomix Xo.

Mixing ratio

2.00 kg Triflex Stone Design R 1K is mixed with 25.00 kg Triflex Stone Design S and 0.80 kg Triflex Stone Design Galaxy (approx. 3 % by weight).

Material consumption

Approx. 0.40 kg/m² for mixtures with Triflex Stone Design S type A + C. Approx. 0.50 kg/m² for mixtures with Triflex Stone Design S type B.



Special aggregate Triflex Stone Design Galaxy



Product information

Pot life

Approx. 30 min. at +20 $^{\circ}\mathrm{C}$

Drying time

Rainproof after Can be walked on after Resistant after approx. 2 hrs. at +20 °C approx. 24 hrs. at +20 °C approx. 36 hrs. at +20 °C

Information on particular hazards

See safety data sheet, section 2

Safety advice

See safety data sheet, sections 7 and 8

Measures in case of fire or accidents

See safety data sheet, sections 4, 5 and 6

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Binder Triflex Stone Design R 1K

Product information

Applications

Triflex Stone Design R 1K is used as a binder to create the surface variant Triflex Stone Design.

Properties

1-component, colourless resin with a moisture-curing polyurethane base. Features:

- Gloss finish
- Weather-resistant
- Flexible
- Wear-resistant
- UV-resistant
- Resistant to discolouration
- Solvent-free
- Isocyanate-free

Pack size

Drum

2.00 kg Triflex Stone Design R 1K

Colours

Transparent

Storage

Can be stored unopened for approx. 6 months in a cool, dry place above 0 °C. Keep container away from direct sunlight when in storage and on the construction site.

Conditions for use

Triflex Stone Design R 1K can be used at substrate and ambient temperatures of a minimum of +5 °C and a maximum of +35 °C.



Preparation of the substrate

The pre-treated and coated substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration of the entire surface from underneath. Substrate adhesion must be tested on a case-by-case basis.

During application, the surface temperature must be at least 3 °C above dew point. Below that, a separating film of moisture can form on the surface to be worked on (DIN 4108-5, Table 1). See dew point temperature table.

Mixing instructions

Stir the resin thoroughly and empty completely into a suitable mixing vessel. Stirring time: at least 2 min.

The stones of the Triflex Stone Design S are slowly added to and mixed into the resin. All the stones must be completely encased by the resin. Stirring time: at least 3 min.

Suitable hand mixer: Protool MXP 1000 E EF or Collomix Xo.

Mixing ratio

To create the Triflex Stone Design surface variant, Triflex Stone Design R 1K (binder) is mixed 1 : 12.5 with Triflex Stone Design S (special aggregate).

Binder Triflex Stone Design R 1K

Product information

Material consumption

Depending on the grading curve and colour on a smooth, even surface:

	Type A	Туре В	Type C	
	Marble gravel	Marble gravel	Granite grit	
Triflex Stone Design R 1K	1.10 kg/m ²	1.40 kg/m ²	1.10 kg/m ²	
Triflex Stone Design S	13.00 kg/m ²	17.00 kg/m ²	13.00 kg/m ²	

Pot life

Approx. 30 min. at +20 °C

Drying time

Rainproof after	approx.	2 hrs. at +20 °C
Can be walked on	afterapprox.	24 hrs. at +20 $^{\circ}\mathrm{C}$
Resistant after	approx.	36 hrs. at +20 $^{\circ}\mathrm{C}$

Notes on special hazards

See Safety Data Sheet, section 2



Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Special aggregate Triflex Stone Design S

Product information

Applications

Triflex Stone Design S is used to create the surface variant Triflex Stone Design.

Properties

High-quality, naturally quarried special aggregates

- Marble gravel (Type A, Type B)
- Granite grit (Type C)
- Glainte grit (Type C)

Pack size

Sack

25.00 kg Triflex Stone Design S

Colours

See colour chart

Grading curves: Type A: Marble gravel, grain size 1–4 mm Type B: Marble gravel, grain size 5–8 mm Type C: Granite grit, grain size 2–4 mm

Storage

Store in a cool, dry place above 0 °C.

Conditions for use

See Triflex Stone Design R 1K.

Preparation of the substrate

The substrate must be sound, dry and free of loose or adhesion-reducing particles. Ensure that structural measures are taken to prevent moisture penetration from underneath. Substrate adhesion must be tested on a case-by-case basis.





Mixing instructions

See Triflex Stone Design R 1K.

Important note:

Triflex Stone Design S is a natural product. There may be colour variations between individual sacks. The sacks must be checked and, if necessary, mixed with one another before use on the construction site.

Material consumption

Depending on the grading curve and colour on a smooth, even surface:

	Type A	Туре В	Туре С	
	Marble gravel	Marble gravel	Granite grit	
Triflex Stone Design R 1K	1.10 kg/m ²	1.40 kg/m ²	1.10 kg/m ²	
Triflex Stone Design S	13.00 kg/m ²	17.00 kg/m ²	13.00 kg/m ²	

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Nitrile rubber strip Triflex Support Strip

Product information

Applications

Triflex Support Strip is used as a support layer for the creation of a loop in settlement joints.

Properties

Triflex Support Strip is a polyester / polyamide fibre fleece with a 0.4 mm thick nitrile rubber strip. The fleece protrudes approximately 2.5 cm on both sides of the strip.

It is used to create an impregnation stop and to prevent adhesion of the waterproofing resin to the edges when applied in a joint.

Pack size

Roll

12.00 cm x 10 m	w x l	Triflex Support Strip 120
15.00 cm x 10 m	w x l	Triflex Support Strip 150
20.00 cm x 10 m	w x l	Triflex Support Strip 200

Top of Support Strip



Colours

Grey / White

Storage

Store Triflex Support Strip in a cool, dry enclosed space.



Application

Triflex Support Strip is used in conjunction with Triflex PMMA systems for the creation of loops in settlement joints. Bond the protruding fleece on the Triflex Support Strip to the edges of the joints with Triflex Cryl Paste, and lay the nitrile rubber strip in the joint as a loop. Then lay the Triflex Special Fleece, saturated with Triflex ProDetail, on the Triflex Support Strip as a loop in the joint and form the joint according to the relevant processing guidelines.

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.



Triflex Accessories Triflex TSS Profile

Product information

Applications

The Triflex TSS Profile can be used with the Triflex BTS-P, Triflex BFS and Triflex TSS systems.

Properties

The Triflex TSS Profile is a stainless steel coated profile which protects the edges of stairs and enhances slip resistance.

Pack size

For dimensions see sketch:



Profile length: 300 cm

Colours

Natural stainless steel

Conditions for use

Cut the Triflex TSS Profile to length. Degrease the underside of each end of the profile using Triflex Cleaner, and roughen or prime with Triflex Metal Primer. Using Triflex Cryl Paste fix the profile to the substrate and the Triflex ProDetail detail waterproofing. After the paste has cured, apply Triflex ProFloor from the edge on the profile to the upstand.

Further build-up is as described in the relevant Triflex systems.



Information on slip resistance

Slip resistance evaluation group in accordance with DIN 51130 working area R 11 Slip resistance evaluation group in accordance with DIN 51097 barefoot area "C"

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.



Universal cleaner Triflex UltraCleaner

Product information

Applications

Triflex UltraCleaner is used as a universal cleaning and degreasing agent for treating Triflex surfaces.

Properties

Triflex UltraCleaner is a high-performance, water-soluble and reliable cleaner. The cleaner is biodegradable and alkaline in order to guarantee quick and efficient removal of dirt.

The types of soiling which can be removed include: Grease, dirt, carbon, oil, soot, nicotine deposits and other stubborn stains.

Pack size

Spray bottle

0.50 I Triflex UltraCleaner

Canister

10.00 I Triflex UltraCleaner

Storage

Can be stored unopened for approx. 12 months in a cool, dry place above 0 °C. Avoid exposing the container to direct sunlight, even at the construction site.

Processing instructions

Spray bottle:

Apply Triflex UltraCleaner to the soiled surface with the spray bottle and allow it to take effect for a short time. Then use a cleaning brush to work at the soiling with circular movements, and rinse off with water. Finally wipe off the surface with a damp cloth.

Canister:

Normal soiling: 1 liter of Triflex UltraCleaner for 10 liters of water. Heavy soiling: 1 liter of Triflex UltraCleaner for 5 liters of water. Special applications: Triflex UltraCleaner can also be used undiluted. For example in the case of particularly heavy soiling such as rust or tire wear.

Important note:

Triflex UltraCleaner should not be used on glass or mirrors as there is a risk of discolouration.

Triflex UltraCleaner is not used to activate surfaces, and must not be used instead of Triflex Cleaner.



Notes on special hazards

See safety data sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

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Accessories Triflex Uncoupling Membrane DC-Mat

Product information

Applications

Triflex Uncoupling Membrane DC-Mat is used in the Triflex ProDrain system.

Properties Triflex Uncoupling Membrane DC-Mat is a mat, fleece-backed on both sides, with internal quartz sand chambers and integrated drainage channels. Pack size Roll 100 x 500 cm w x I Triflex Uncoupling Membrane DC-Mat Colours Grey Storage

The Triflex Uncoupling Membrane DC-Mat must be stored in its original packaging in a dry place vertically and protected from impact damage.



Instructions for use

See the system description for Triflex ProDrain

General notes

We guarantee the consistently high quality of our products. Non-system substances must not be added to Triflex systems.

Triflex BIS accessories Wood-Fibre Cement Board

Product information

Applications

The installation board is used in the Triflex BIS - Balcony Insulation System.

Properties

The installation board is a sanded, cement-bonded wood fibre board with a circumferential tongue and groove. It is characterised by the following quality features:

- Wood fibres 100 % PEFC-certified
- Robust and heavy-duty
- Easy to lay
- No drying times
- No mechanical fixing
- High footfall sound insulation
- Flame-retardant (B_{fl}-s1 tested)

Pack sizes

Board

125 x 62.5 x 2.2 cm	l x w x h	Wood-Fibre Cement Board
125 x 62.5 x 2.5 cm	l x w x h	Wood-Fibre Cement Board

Colours

Wood brown

Storage

The installation board must be stored in a dry place on a level, stable surface and protected against damage from impacts and, when stored outdoors, permanently protected against moisture, rain and sunlight. During storage, cover the board with a building tarpaulin and protect it against soil moisture. One-sided drying or moistening leads to a curvature of the cement board.

Conditions for use

In case of temperature and humidity differences, the installation boards must be able to adjust to the ambient climate. Special care must be taken to ensure sufficient air conditioning if the control air humidity at the installation site deviates from the delivery humidity (approx. 65 % air humidity) by more than approx. 10 %.



Application instructions

For application, see the system description for Triflex BIS.

The installation board must be lifted upwards from the stack and should not be pulled off to the side. The board must be carried vertically and must not be set down on the corner of the panel to avoid damage.

General information

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

Waterproofing and coating Triflex products

Dew point temperature

Air temperature	Dew point temperature in °C at a relative humidity of:											
	30 %	40 %	50 %	55 %	60 %	65 %	70 %	75 %	80 %	85 %	90 %	95 %
°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
+30°C	+10,5	+14,9	+18,4	+20,0	+21,4	+22,7	+23,9	+25,1	+26,2	+27,2	+28,2	+29,1
+28°C	+8,8	+13,1	+16,6	+18,1	+19,5	+20,8	+22,0	+23,2	+24,2	+25,2	+26,2	+27,1
+26°C	+7,1	+11,4	+14,8	+16,3	+17,6	+18,9	+20,1	+21,2	+22,3	+23,3	+24,2	+25,1
+24°C	+5,4	+9,6	+12,9	+14,4	+15,8	+17,0	+18,2	+19,3	+20,3	+21,3	+22,3	+23,2
+22 °C	+3,6	+7,8	+11,1	+12,6	+13,9	+15,1	+16,3	+17,4	+18,4	+19,4	+20,3	+21,2
+20°C	+1,9	+6,0	+9,3	+10,7	+12,0	+13,2	+14,4	+15,4	+16,4	+17,4	+18,3	+19,2
+18°C	+0,2	+4,2	+7,4	+8,8	+10,1	+11,3	+12,5	+13,5	+14,5	+15,4	+16,3	+17,2
+16°C	-1,5	+2,4	+5,6	+7,0	+8,3	+9,4	+10,5	+11,6	+12,6	+13,5	+14,4	+15,2
+14°C	-3,3	+0,6	+3,8	+5,1	+6,4	+7,5	+8,6	+9,6	+10,6	+11,5	+12,4	+13,2
+12°C	-5,0	-1,2	+1,9	+3,3	+4,5	+5,6	+6,7	+7,7	+8,7	+9,6	+10,4	+11,2
+10°C	-6,8	-3,0	+0,1	+1,4	+2,6	+3,7	+4,8	+5,8	+6,7	+7,6	+8,4	+9,2
+8°C	-8,5	-4,8	-1,8	-0,5	+0,7	+1,8	+2,9	+3,9	+4,8	+5,6	+6,5	+7,3
+6°C	-10,2	-6,6	-3,6	-2,3	-1,2	-0,1	+1,0	+1,9	+2,8	+3,7	+4,5	+5,3
+4°C	-12,0	-8,4	-5,5	-4,2	-3,1	-2,0	-1,0	0,0	+0,9	+1,7	+2,5	+3,3
+2°C	-13,7	-10,2	-7,3	-6,1	-4,9	-3,9	-2,9	-2,0	-1,1	-0,3	+0,5	+1,3
0°C	-15,5	-12,0	-9,2	-7,9	-6,8	-5,8	-4,8	-3,9	-3,0	-2,2	-1,4	-0,7
-2 °C	-17,3	-13,8	-11,0	-9,8	-8,7	-7,7	-6,7	-5,8	-5,0	-4,2	-3,4	-2,7
-4 °C	-19,0	-15,6	-12,9	-11,7	-10,6	-9,6	-8,7	-7,8	-6,9	-6,1	-5,4	-4,7

Dew point temperature as a function of air temperature and relative humidity, for calculating condensation.

Example: An air temperature of $20 \,^{\circ}$ C with 60 % relative humidity impacting on surfaces at +12 °C or cooler will produce condensation. **Note:** During application, the surface temperature must be at least 3 °C above the dew point temperature. Below this temperature, a separating film of moisture can form on the surface to be worked on.

Waterproofing and coating Triflex products

Triflex International





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