

Triflex

Delivering solutions together.

Instructions for use

Triflex ProDetail®





Application examples



Flat roof – light dome



Flat roof – metal roof



Flat roof – H-beam



Flat roof – ventilation pipe



Flat roof – window bars



Flat roof – wall junction



Balcony – gully and gutter



Balcony – wall junction



Balcony – stair steps



Parking deck – props



Parking deck – kerb



Parking deck – joint



General information

Health and safety:

When working with products containing construction chemicals, always ensure adherence to the following protective measures:

- Do not smoke, eat or drink while working.
- Avoid contact with eyes and skin.
- Keep away from food and beverages.
- Always wear personal protective clothing.
- Always ensure adherence to safety data sheets.

Important note:

When transporting, storing and working with these products, always ensure adherence to all pertinent safety data sheets and technical codes of practice, the identification on the containers, as well as to the hazard information and safety tips on the containers. If you have any queries, please contact: Environment and Safety Department, Fon +49 571 9339-176

Storage:

- Keep containers firmly sealed.
- Containers must be stored in a dry, cool (but frost-free) and well ventilated place.
- Protect against heat and direct sunlight.
- Storage stability at least 6 months.
- In winter, store containers at room temperature prior to use where possible.

Substrate requirements:

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.

Conditions for use:

- Triflex products can be used within the temperature ranges stipulated on the container label and in the product information.
- Always wear a face mask when using Triflex products containing solvents or monomers in enclosed spaces, or when air limit values are exceeded (see point 8 of safety data sheet). Furthermore, always ensure forced ventilation with a minimum 7-fold air exchange per hour.

What to do if work is interrupted:

If work is interrupted for more than 12 hrs, or if soiled by rain etc., the intersection must be activated with Triflex Cleaner. Airing time: at least 20 min. Transitions to subsequent waterproofing must overlap (incl. Triflex Special Fleece) by a minimum of 10 cm. This also applies to junctions, transitions and detail solutions with Triflex ProDetail. The finish must be applied within 24 hrs. If this application is delayed for any reason, the surface to be finished must be pre-treated with Triflex Cleaner.

Processing and volumes:

- Primer:
The primer Triflex Cryl Primer 276 is applied as a thin film using a radiator roller. Volume approx. 0.40 kg/m². Prime vertical surfaces prior to horizontal surfaces. Primers that are not contained in the sets must be ordered separately.
- Waterproofing:
Once the Triflex ProDetail mixture is ready for use, apply a thick coat with a radiator roller (approx. 2.00 kg/m²) and spread evenly. Lay the cut to length Triflex Special Fleece on the freshly applied area, making sure there are no air bubbles. Then cover the fleece with another layer of Triflex ProDetail (approx. 1.00 kg/m²).

Important note:

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



Substrate pre-treatment

Substrate	Pre-treatment	Primer ^{(3) (4)}
Acrylic glass	Abrade with Triflex Cleaner, roughen surface	No primer
Aluminium	Remove loose rust and rust scale, abrade with Triflex Cleaner	Triflex Metal Primer ⁽²⁾
Asphalt	Grinding	Triflex Cryl Primer 222
Cold bitumen coating	Adhesive strength test	Triflex Cryl Primer 222
Composite thermal insulation systems	Remove any loose material	Triflex Pox R 100
Concrete	Grinding	Triflex Cryl Primer 276
Copper	Remove loose rust and rust scale, abrade with Triflex Cleaner	Triflex Metal Primer ⁽²⁾
FRP/skylight frame	Abrade with Triflex Cleaner, roughen surface	No primer
Glass	Abrade with Triflex Glass Cleaner, adhesive strength test	Triflex Glass Primer
Hot bitumen coating	Adhesive strength test	Triflex Cryl Primer 222
Lightweight concrete	Remove any loose material	Triflex Cryl Primer 276
Mortar, resin-modified	Grinding	Triflex Pox R 100
Paint	Completely grind off	See substrate
Plaster/masonry	Remove any loose material	Triflex Cryl Primer 276
Plastic sheeting (PIB)	Roughen surface, adhesive strength test	On request ⁽¹⁾
Plastic sheeting (PVC-P, nB), EVA	Abrade with Triflex Cleaner	No primer
Plastic sheeting (TPO, FPO, EPDM)	Abrade with Triflex Cleaner, roughen surface, adhesive strength test mandatory	On request ⁽¹⁾
Polymer bitumen sheeting (PYE) mod. (SBS)	Remove any loose material	No primer
Polymer bitumen sheeting (PYP) mod. (APP)	Remove any loose material, adhesive strength test	Triflex Cryl Primer 222
PVC mouldings, rigid	Abrade with Triflex Cleaner, roughen surface	No primer
Screeds	Grinding	Triflex Cryl Primer 276
Stainless steel	Remove loose rust and rust scale, abrade with Triflex Cleaner	Triflex Metal Primer ⁽²⁾
Steel, galvanised	Remove loose rust and rust scale, abrade with Triflex Cleaner	Triflex Metal Primer ⁽²⁾
Wood	Remove any paint	Triflex Cryl Primer 276
Zinc	Remove loose rust and rust scale, abrade with Triflex Cleaner	Triflex Metal Primer ⁽²⁾

⁽¹⁾ Depending on the type of sheeting, e.g. using Triflex Primer 610.

⁽²⁾ Alternative to priming: Abrade with Triflex Cleaner and roughen surface.

⁽³⁾ The Triflex ProDetail Starter Set includes the Triflex Cryl Primer 276.

The Triflex ProDetail Mini Starter Set does not include primer. If the table stipulates that a primer is required, which is not included in the set, this must be ordered separately.

⁽⁴⁾ Information on other substrates is available on request. (technik@triflex.de)

Important note:

Adhesion must always be tested on the specific substrate!

Instructions for use

Triflex ProDetail®

Packaging contents

Triflex ProDetail



Triflex ProDetail

Materials

- 15 kg Triflex ProDetail
- 3 x 0,10 kg Triflex Catalyst (summer)
- 6 x 0,10 kg Triflex Catalyst (winter)



Triflex ProDetail Starter Set

Materials

- 3 x 3.75 kg Triflex ProDetail
- 1 x 2.00 kg Triflex Cryl Primer 276
- 4 x 0.10 kg Triflex Catalyst
- 1 l Triflex Cleaner
- 15 m Triflex Special Fleece, 26 cm wide

Tools

- 1 plastic bucket with lid
- 5 wooden stirring sticks
- 5 radiator rollers + holder
- 1 radiator brush
- 1 pair of scissors made of cast steel
- 1 roll of adhesive masking tape
- 1 pair of rubber gloves
- 2 cleaning cloths

Instructions for use

Substrate pre-treatment



1. Absorbent substrates (e.g., concrete, asphalt) must be ground with a concrete diamond grinder, in order to ensure the adhesive property and soundness of substrate.



2. Prior to coating the surface, metals or PVC are degreased with Triflex Cleaner and then roughened (see other photos).



3. If working on a larger area, use a grinding disc.



4. Smaller areas can be roughened using sandpaper.

Primer



1. Mix Triflex Cryl Primer 276. Always follow the mixing instructions on the container.



2. Stir base resin thoroughly.



3. Take partial quantity as appropriate. If required, decant a measured weight of resin and add the respective amount of Triflex Catalyst. Stir for at least 2 minutes or until there are no lump.



4. Apply adhesive tape to the joints and details prior to mixing. Apply the primer as a thin film.



Instructions for use

Mixing the waterproofing resin



1. Mix Triflex ProDetail.
Always follow the mixing instruction on the container.



2. Stir base resin thoroughly.



3. Take partial quantity as appropriate.
If required, decant a measured weight of resin and add the respective amount of Triflex Catalyst. Stir for at least 2 minutes or until there are no lumps.

Important note:

Always follow the mixing instructions on the container. When using a measured weight of resin, ensure the amount of Triflex Catalyst required is correctly calculated on a prorata basis.

Wall junction waterproofing



1. Apply adhesive tape to the wall junction at waterproofing height.



2. Prepare Triflex Special Fleece cut-outs for inner and outer corners: Make a circular cut-out (approx. dia 10 cm) with one incision through to the centre.
Tip: Alternatively use fleece moulded components.



3. Outer corner: Apply waterproofing resin generously with a brush or radiator roller and embed the pre-cut outer corner ensuring there are no air bubbles.



4. Then apply another thick layer of waterproofing resin to the outer corner fleece.



5. Inner corner: Apply waterproofing resin generously with a brush or radiator roller and embed the pre-cut inner corner ensuring there are no air bubbles.



6. Then apply another thick layer of waterproofing resin to the inner corner fleece.



7. Apply a generous layer of waterproofing resin (approx. 2.00 kg/m²) with a radiator roller to the wall junction area.



8. Either pre-cut the Triflex Special Fleece or apply straight from the roll onto the fresh resin ensuring there are no air bubbles. Make sure the fleece is fully saturated.



9. In the case of inner corners, lay the fleece approx. 5 cm around the corner and cut diagonally into the creased fleece on the floor right up to the corner. Overlap the cut fleece, making sure that there are no dry patches.



10. In the case of outer corners, lay the fleece around the corner approx. 5 cm and then cut into the fleece on the floor up to the corner. Then lay the incision around the corner and cover the free floor space with an additional fleece cut-out.



11. Then cover the laid fleece with a generous layer of waterproofing resin (approx. 1.00 kg/m²).



12. Remove the adhesive tape while the resin is still wet. Done!

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Gully waterproofing



1. Apply adhesive tape to create a waterproofing border around the gully and plug it up with a cleaning cloth. Clean the gully with Triflex Cleaner and roughen the surface with sandpaper.



2. Prepare Triflex Special Fleece cut-outs. Gully: width: 15 cm, length: gully circumference + 5 cm. Make incisions along the entire length of the fleece. These incisions should be 5 cm deep, 1 cm wide and star-shaped.



3. Area: 1 piece of fleece with star-shaped incisions in the centre to match the diameter of the gully.



4. Apply a generous layer of waterproofing resin in and around the gully (approx. 2.00 kg/m²) and embed the fleece cut-out for the gully, making sure there are no air bubbles. Then place the star-shaped incisions on the surrounding area and apply another generous coating of resin (approx. 1.00 kg/m²).



5. Apply a generous layer of waterproofing resin to the area in and around the gully (approx. 2.00 kg/m²).



6. Lay fleece for the surrounding area, making sure there are no air bubbles, and use a brush to place the star-shaped incisions in the gully.



7. Apply a further generous layer of resin (approx. 1.00 kg/m²).



8. Remove the cleaning cloth from the gully and remove the adhesive tape while the resin is still wet. Done!

Ventilation duct waterproofing



1. Apply adhesive tape at waterproofing height and on the area surrounding the ventilation duct (min. 10 cm). Prepare Triflex Special Fleece cut-outs. Pipe: width: 20 cm, length: pipe circumference + 5 cm. Make incisions along the entire length of the fleece. These incisions should be 5 cm deep, 1 cm wide and strip-shaped.



2. Area: 2 pieces of fleece, each cut in a U shape on one side to fit the pipe circumference. The fleece pieces must overlap by at least 5 cm around the pipe!



3. Apply a generous layer of waterproofing resin (approx. 2.00 kg/m²) to the pipe and surrounding area using a radiator roller or brush. Then apply the fleece cut-out to the pipe to the fresh resin, making sure that there are no air bubbles and that the fleece is sufficiently saturated.



4. Apply waterproofing resin to the surrounding surface area (approx. 2.00 kg/m²), embed the first surface fleece cut-out, making sure that there are no air bubbles, and apply another generous coat of resin (approx. 1.00 kg/m²).



5. Apply waterproofing resin to the surrounding area and embed the second surface fleece cut-out, making sure that there are no air bubbles. Apply another generous coat of resin.



6. Remove the adhesive tape while the resin is still wet. Done!

Important note:

Always prepare all fleece cut-outs prior to mixing the materials in the container!

Tip:

Alternatively use fleece moulded components (Not included in set)

Fleece moulded components



Corner moulded component

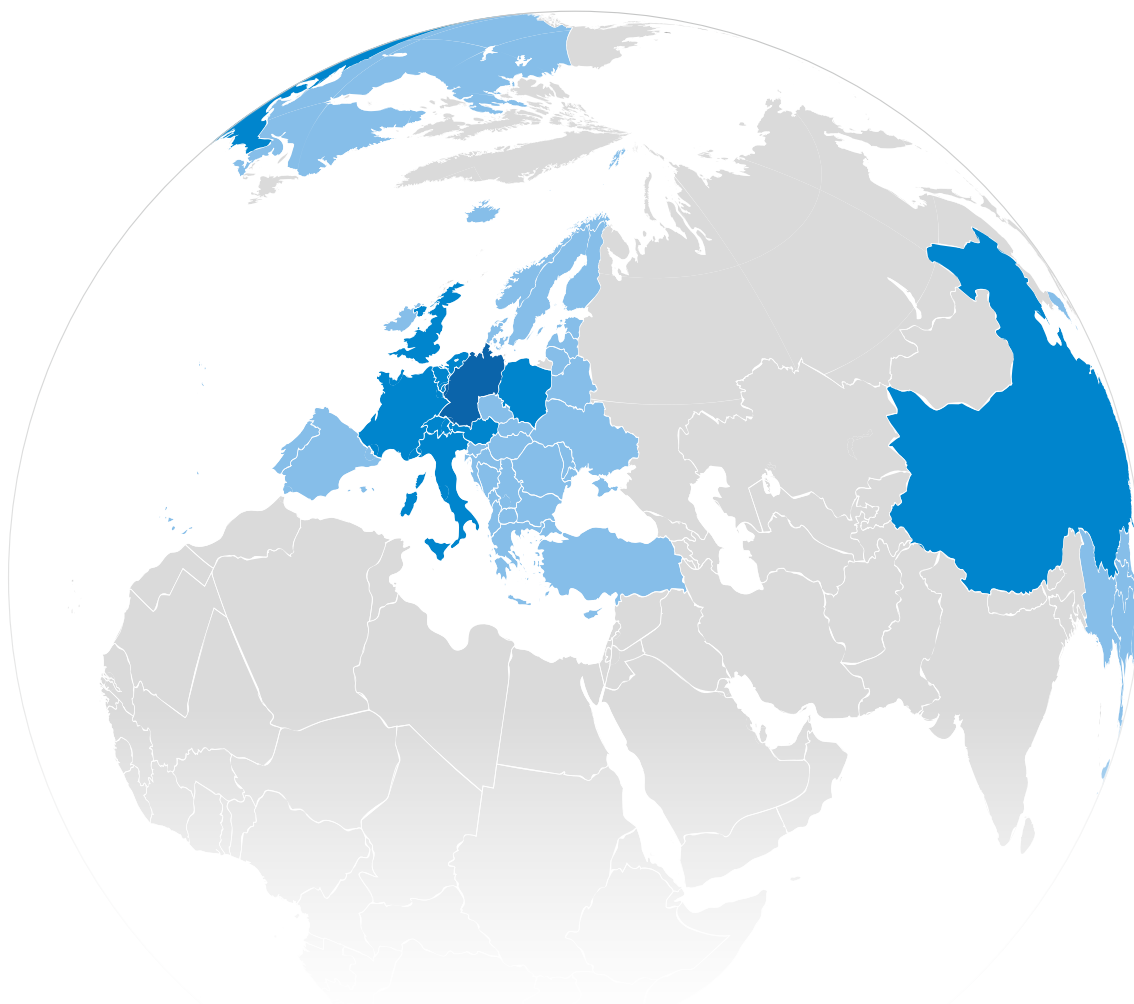


Pipe moulded component

For further details, please contact us at the address overleaf, or visit us at www.triflex.com.

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