



## 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<sub>ROOF</sub> (t1), B<sub>ROOF</sub> (t2), B<sub>ROOF</sub> (t3), B<sub>ROOF</sub> (t4)
- European Technical Assessment with CE mark
- General approval from Building Supervisory Authority

### 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 formulations. 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 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 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



## Product information

### Material consumption

Minimum 4.00 kg/m<sup>2</sup> on a smooth, even surface

### Pot life

Approx. 25 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	++

++ = 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-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.