

Product information

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: B_{Roof} (t1), B_{Roof} (t2), B_{Roof} (t3)
- Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Approval according to ETAG 005 with CE mark
- Is a hard roofing product in accordance with the German regional building regulations

Applications

The product Triflex ProTect is used in the Triflex ProTect system and is a high-quality 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.

Pack size

Drum

Summer / Winter use		
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	

Container

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	

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 ProTect 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. 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.

Instructions for mixing

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. Once mixed, transfer to another receptacle and mix again.

Mixing ratio

Temperature range of:	
0 °C to +5 °C	20.00 kg base resin + 0.80 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

Product information

Volume

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
 Resistant after: approx. 2 hrs. 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 %	++
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	++		

Note: ++ = resistant
 ± = 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

In the event 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.