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: B_{ROOF} (t1), 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 resin
4.00 kg	Triflex ProThan hardener
25.00 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 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

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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)
± = 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.