

Triflex Towersafe®



Use

Waterproofing resin used with Triflex 110g Reinforcement Fleece and as the optional wearing layer in the Triflex Towersafe wind turbine waterproofing system

Properties

- Cold liquid applied
- Exceptionally fast curing
- Elastomeric
- Vapour permeable
- Chemical resistant
- UV resistant
- Hydrolysis and alkali hydrolysis resistant
- Solvent and isocyanate free

Components

Component	Product
Resin	Triflex Towersafe
Catalyst	Triflex Catalyst

Packaging

Component	Pack size
Resin	Drum: 15.00Kg
	Bag: 0.10Kg (100g)
Catalyst	Bag: 1.00Kg
	Box: 25.00Kg

Colour(s)

- Approx. RAL 7032 Pebble Grey.

Application conditions

Condition	Value
Ambient temperature	-5°C to +40°C
Substrate temperature	-5°C to +50°C
Relative atmospheric humidity	Up to 95%
Dew point	3°C above dew point

Substrate assessment / pretreatment / preparation

Ensure that the substrate is clean, dry and free from dust, laitance, grease, oil and any other contaminants and assess / pre-treat / prepare substrate in accordance with Triflex Specification.

Initial resin mixing / decanting

Drums:

1. Thoroughly mix the resin in the drum with a slow speed mixer until the resin achieves a uniform consistency;
2. If required, decant a measured weight of resin into a suitable container.



Mixing

Temperature	-5°C to +25°C	+15°C to +40°C
Catalyst to resin %	4%	2%
Catalyst per 15.00Kg drum of resin	0.60Kg (600g)	0.30Kg (300g)

1. Measure the appropriate weight of catalyst for the weight of resin and the temperature;
2. Add the catalyst to the pre-mixed / decanted resin;
3. Thoroughly mix the resin and catalyst using a slow speed mixer for a minimum 2 minutes until the catalyst has been evenly distributed and leave for a minimum of 1 minute to allow the catalyst to fully dissolve;
4. Re-mix and use the mixed material within the pot life.

Application method

Roller.

Pot life (at 20°C)

Approximately 15 minutes.

Note: Times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

Consumption

3.00Kg/m² minimum when used with Triflex 110g Reinforcement Fleece – refer to Triflex Towersafe Specification.

1.00Kg/m² minimum when used with Triflex 0.7 - 1.2mm Quartz as an optional wearing layer - refer to Triflex Towersafe Specification.

Note: Consumption based on smooth, even, non-absorbent substrate.

Curing time (at 20°C)

Condition	Time
Rainproof	Approximately 30 minutes
Can be walked on / over-coated	Approximately 45 minutes

Note: Times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.

Interruptions during works

Unless the surface is fully aggregate filled, if work is interrupted for more than 12 hours or if soiled by rain etc., use Triflex Cleaner to clean and reactivate the transition area. Overlay after Triflex Cleaner has evaporated and a minimum 20 minutes / maximum 60 minutes after application. If the surface is aggregate filled ensure that the surface is clean, dry and free from dust, grease, oil and any other contaminants prior to overlay but do not apply Triflex Cleaner.

Tool cleaning

Clean tools with Triflex Cleaner.

Storage / shelf life

Store unopened in a cool, dry, well ventilated place above freezing, out of direct sunlight and in the original container.

Shelf life if stored correctly: minimum 6 months.

Health and safety

Refer to Safety Data Sheets.

Disposal information

Refer to Safety Data Sheets for recommended EWC waste codes.

Environmental Product Declaration (EPD)

Eco Platform accreditation is recognised by the BRE as valid and transferable environmental documentation towards obtaining BREEAM credits within their assessment process and LEED assessment schemes.

Relevant EPD for product: [DOC-EPD-DBC-20250265-IBP1-EN](#)

Notes

The advice we provide on the application of our products is based on extensive development work and many years of experience, and is given to the best of our knowledge. The wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the contractor to test the product for suitability in each case. Triflex reserve the right to make alterations in keeping with technical developments or improvements.

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

Only the most recent version of this data sheet is valid.