

Triflex ProFloor S1



Use

Waterproof surfacing layer used in Triflex walkway, balcony and terrace systems with additional flame retardant.

Properties

- Cold liquid applied
- Exceptionally fast curing
- Self levelling
- Waterproof
- Flexible
- Flame retardant
- Chemical resistant
- UV resistant
- Mechanically resistant
- Solvent and isocyanate free

Components

Component	Product	Ratio
Resin	Triflex ProFloor R	1 part (10.00Kg)
Filler	Triflex ProFloor S1 Filler	2.3 parts (23.00Kg)
Catalyst	Triflex Catalyst	Varies- see mixing section

Packaging

Component	Pack size
Resin	Drum: 10.00Kg
Filler	Bag: 23.00Kg
	Bag: 0.10Kg (100g)
Catalyst	Bag: 1.00Kg
	Box: 25.00Kg

Colour(s)

- Approx. RAL 7032 Pebble Grey

Application conditions

Condition	Value
Ambient and substrate temperature	0°C to +35°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 proposal.

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	0°C to +5°C	+5°C to +15°C	+15°C to +35°C
Catalyst to resin %	6%	4%	2%
Catalyst per 10.00Kg drum of resin	0.60Kg (600g)	0.40Kg (400g)	0.20Kg (200g)

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. Once fully dissolved, re-mix and add the filler by slowly pouring the filler in the ratio 2.3 parts filler to 1 part resin (by weight) into the catalysed resin and thoroughly mixing with a slow speed mixer until the mixture achieves a smooth, uniform consistency and colour;
5. Use the mixed material within the pot life.

Application method

Pour and level using a trowel, notched blade or stub 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

4.00Kg/m² minimum – refer to Triflex Specification proposal.

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

Curing time

Condition	Time
Rainproof	Approximately 30 minutes
Can be walked on / over-coated	Approximately 1 hour
Able to withstand stress	Approximately 2 hours

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 / maximum 12 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-20250267-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.