

# Dr. Fixit Triflex SmartTec



## SINGLE COMPONENT SOLVENT FREE WATERPROOFING SYSTEM FOR APPLICATION ON WET CEMENTITIOUS SURFACE

### Description

Dr. Fixit Triflex SmartTec is a solvent-free polyurethane base single component liquid applied waterproofing system based on STPE (Silyl terminated polyether) technology. The single-component material adheres to concrete and other absorbent substrates without the need for a primer, thus saving time and effort. Thanks to its excellent characteristics, Dr. Fixit Triflex SmartTec is ideal for applications in areas subject to moisture and dampness.

The fleece-reinforced, low-odour and solvent-free resin is suitable for various building internal and exterior areas.

### Areas of Application

- Concrete and screed subjected to moisture and dampness
- Foundation waterproofing
- Ponds & Fountains
- Pile caps
- Complex detailing in foundations.

### Features & Benefits

- Single component, no mixing errors
- Can be applied over damp surfaces
- Fast curing (rainproof in 60 mins)
- No primer required
- UV-resistant
- Quick and easy application
- Solvent-free & Isocyanate-free
- Low-odour
- Vapour permeable
- Flexible in low temperature
- Hydrolysis and alkali resistant
- Fire Resistance
- ETAG 005 with CE mark

### Method of Application

#### 1 SUBSTRATE CONDITION AND SURFACE PREPARATION:

- Concrete/screed substrates must be permitted to fully harden for at least 28 days. The substrate must be sound and free of loose or adhesion-reducing particles. Substrate adhesion must be tested on a case-by-case basis. Dr. Fixit Triflex SmartTec can be applied at substrate and ambient temperatures between +5°C and +40°C. The relative humidity must not fall below 30%.
- When carrying out surfacing work on cementitious substrates, the substrate may be damp, however there must not be any standing water. Ensure that structural measures are taken to prevent moisture penetration of the coating from underneath.
- During application, the surface temperature must be at least 3°C above the dew point temperature. Below this temperature, a separating film of moisture can form on the surface.
- Smooth concrete/screed surface needs to be grinded to achieve mechanical key.
- Any surface imperfections, cracks needs to be repaired using suitable Dr. Fixit repair material. Contact Dr. Fixit technical service team in similar situations.



## 2 APPLICATION OF WATERPROOFING MEMBRANE:

- The contents of the Dr. Fixit Triflex SmartTec container must be stirred for minimum 2 minutes until they are of a smooth homogeneous consistency. Once stirred take out material in small container.
- Apply 1st coat of Dr. Fixit Triflex SmartTec on prepared substrate consumption @ 2.0 kg/m<sup>2</sup> using suitable nylon brush or roller. Saturate Dr. Fixit Triflex Fleece while 1<sup>st</sup> coat is still wet and apply roller to ensure there is no air bubble. Fleece overlap at side & end should be minimum 50 mm.
- Apply 2nd coat of Dr. Fixit Triflex SmartTec consumption @ 1.0 kg/m<sup>2</sup> to ensure fleece is fully saturated.
- Total consumption should not be less than 3.0 kg/m<sup>2</sup>.

### Technical Properties

PROPERTIES	TYPICAL VALUES	TEST METHOD
Density	1.2-1.4 g/cc	
Viscosity	11000-18000 cps	Brookfield Viscometer
Pot Life @ 20°C	60 mins	
Fully hardened @ 23°C	48 hrs	
Tensile Strength (with fleece)	4.0 Mpa	ASTM D412
Shore A Hardness	65	ASTM D2240
Fire Resistance	Pass	EN 13501-5, Class E

Note: The typical physical properties given above are derived from independent verified testing in accordance with Pidilite's Dr. Fixit Triflex SmartTec Method Statement in controlled laboratory environment and tested after a minimum of 14 days cure.

Results derived from testing of field-applied samples may vary dependent on circumstances beyond our control such as the type and condition of equipment used, static and dynamic working pressures, application temperatures and weather conditions, film thickness, test and curing conditions and age of samples tested

### Packaging

Dr. Fixit Triflex SmartTec - 14 Kg Metal Drum ( Available in RAL 7030 Stone Grey colour)

Dr. Fixit Triflex Fleece - 0.52 Mtr x 50 Mtr.

### Coverage

Minimum 3.00 kg/m<sup>2</sup> on a smooth, even surface in 2 coats.

The specified consumptions apply only to smooth, even surfaces. Special allowances must be made for unevenness, roughness and porosity.

### Shelf Life & Storage

Can be stored unopened for approx 24 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site. Protect unused material against moisture and dampness and firmly replace the cover, otherwise the top layer may harden. If this is the case, simply remove the hardened top layer - the liquid material beneath is still suitable for use.

### Health & Safety:

During application wear protective clothing, gloves and eye goggles during application. Avoid product to contact eyes and skin. Skin Contact - Wash immediately with plenty of clean water. Eye contact - In the event of eye contact splash plenty of clean water immediately and seek medical advice.



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