



## PMMA BASED LIQUID APPLIED SYSTEM FOR FLAT & PITCHED ROOFS

### Description

Dr. Fixit Triflex ProTect is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate (PMMA) base.

Dr. Fixit Triflex ProTect offers a combination of unique physical, mechanical and application properties which cannot be achieved with any other resin like adhesion to majority of building material substrates & waterproofing materials, fast curing, ease of application which makes the product versatile for variety of applications.

### Typical Application

Dr. Fixit Triflex ProTect is used as high quality and durable waterproofing product for flat and pitched roofs in new buildings and refurbishments.

### 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
- Fire classification in compliance with DIN EN 13501-1: Class E
- European Technical Assessment according to ETAG 005 with CE mark
- Is a hard roofing product in accordance with the German regional building regulation

### Method of Application

#### SURFACE PREPARATION

- 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 pre-treatment 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.

#### 2. APPLICATION OF PRIMER

On prepared surface it is recommended to apply recommended Dr. Fixit Triflex primer depending upon type of substrates as mentioned below.

- Dr. Fixit Triflex Cryl primer 222 - Recommended for concrete, APP,SBS Membrane, wood and other porous substrates Primer to be applied at coverage 0.35-0.45 kg/m<sup>2</sup> using suitable brush/roller. Can be recoated after 25-30 mins at 30°C.
- Dr. Fixit Triflex Metal Primer - Recommended for metals like Stainless steel, MS steel, GI etc. Primer to be applied at coverage 80-100 ml/m<sup>2</sup> using suitable brush/roller. Can be recoated after 45 mins at 30°C.
- Dr. Fixit Triflex Glass Primer - Recommended for Glass substrates Primer to be applied at coverage 50-60 ml/m<sup>2</sup> using suitable brush/roller. Can be recoated after 10 mins at 30°C. It is recommended to clean glass surface using Dr. Fixit Triflex Glass Cleaner before application of primer.



- Dr. Fixit Triflex 610 Primer – Recommended over waterproofing membranes like TPO, FPO, EPDM etc. Primer to be applied at coverage 100-120 ml/m<sup>2</sup> using suitable brush/roller. Can be recoated after 15 mins at 30°C.

#### WATERPROOFING MEMBRANE

- After thoroughly mixing the base resin, the corresponding catalyst i.e. Dr. Fixit Triflex Catalyst @ 20 gm/Kg is to be 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. Small amounts can be mixed with a stick.
- Apply 1<sup>st</sup> coat of Dr. Fixit Triflex ProTect 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 should be minimum 50 mm.
- Apply 2<sup>nd</sup> coat of Dr. Fixit Triflex ProTect 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 Information

PROPERTIES	TYPICAL VALUES	TEST METHOD
Density	1.1-1.3 g/cc	
Viscosity	1100-1900 cps	Brookfield Viscometer
Pot Life @ 20°C	20 mins	
Drying time @ 20°C	45 mins	
Fire-tested	Pass	EN 13501, Class E
Root resistance	Pass	FLL test-EN 13948
Heat-resistant (Thermal Shock)	up to +250°C	
Hail-proof	Pass	DIN EN 13583
Shore A Hardness	≥ 75	ASTM D2240
Tear resistance (with fleece)	≥ 150 N / 15 mm	ASTM D624
Tensile Strength	>3 N/mm <sup>2</sup>	ASTM D412
Elongation at break	≥ 40 %	ASTM D412
Adhesion with concrete	>1.5 N/mm <sup>2</sup>	ASTM D7234

#### Note:

- Note: The typical physical properties given above are derived from independent verified testing in accordance with Pidilite's Dr. Fixit Triflex ProTect 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.

#### Recommended 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.

#### Packaging:

Dr. Fixit Triflex ProTect - 20 Kg Metal Drum ( Available in RAL 7032 Pebble Grey colour)

Dr. Fixit Triflex Catalyst - 0.5 kg Pack

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



### Shelf Life & Storage

- Can be stored unopened and unmixed for 24 months in a cool, dry place above freezing. Keep container away from direct sunlight when in storage and on the construction site. Storage temperature: 8°C -35°C.

### Health & Safety Precautions

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.

### Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals.



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