

Dr. Fixit UniProof 5000



HEAVY DUTY ACRYLIC ROOF WATERPROOFING MEMBRANE

Description

Dr. Fixit UniProof 5000 is a single component, UV stable, elastomeric waterproof coating with anti-fungal properties.

Typical Applications

- o All types of roofs such as concrete, metal, asbestos etc.
- o Anticarbonation coating for car park decks.
- o Protective coating over PU foam insulations.
- o Water proofing coating for combo roof systems.
- o Protective coating on concrete bridge decks & underpasses.

Features

- o Ready to use material, easily applied by brush, roller and spray.
- o Withstands substrate movement.
- o Excellent UV resistant.
- o Seamless, high quality waterproofing performance.
- o Suitable for occasional foot traffic.
- o Resistance to efflorescence and salt migration.
- o Elastomeric & crack bridging ability.

Packaging

25 kg

Method of Application

1 SURFACE PREPARATION

- o Ensure the roof to be treated has a minimum of **1:100** drainage fall to a suitably sized outlet.
- o All substrates must be sound, stable and free of dust, dirt, oil and any other contaminants which may impair adhesion.
- o Mineral substrates must exhibit a smooth absorbent surface profile, any spalled or damaged surfaces must be repaired using a suitable Dr. Fixit Repair material.
- o Metal roofs must be free of rust and all fixings must be securely tightened. All gaps between overlapping metal panels must be sealed using a suitable approved acrylic sealant.
- o All penetrations through the roof such as pipework or ducting must be sealed using a suitable approved sealant or expanding foam filler.

2 PRIMING

- o Porous substrates should be primed using one coat of Dr. Fixit Uniproof 5000 mixed a ratio of **4:1** with water. The primer should be allowed to dry for a 2-3 hours before over coating.

3 APPLICATION

- o All cracks and movement joints in mineral substrates, joints in roof panels, penetrations and abutments with upstands must be reinforced using a suitable reinforcing fabric set into a coat of Dr. Fixit Uniproof 5000.
- o Two further coats of Uniproof 5000 should be applied at a minimum coverage of 1 kg/sq.mt using brush, roller or spray. Allow a minimum of 8 hours drying time between coats.

- o Critical areas which requires reinforcement, shall be embedded with glass fibre mesh in between coats. Fabric joints should overlap by at least 75 mm.

Note:

- o Do not dilute except when used as a primer.
- o Do not apply during rain.
- o Protect from rain for minimum 48 hours after application.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
*Colour		White
Density @ 25°C, g/cc		1.32 +/- 0.05
Solid content, % by wt		60 +/- 5
Water permeability @ 5 bar	BS EN 12390 - 8	Nil
Elongation at break%	ASTM D 412:02	150 +/- 20
Tensile strength	ASTM D 638	> 1.0 N/mm ²
Toxicity	BS 6920 Part 1 : 2000	Non-toxic
UV resistance @ 100 Hours	ASTM G 154	Passes
SRI (Solar Reflective Index)	ASTM E 1980:01	≥ 80 (only for white colour)
Crack bridging ability,0.6 mm	ASTM C1305	No crack, loss of adhesion or any other type of failure
Adhesion to concrete		> 1.2 N/mm ²
Application Temperature		10° C to 45°C
VOC Content		< 1 g/ltr

*Note: Other colours available upon request

Theoretical Coverage

As Protective coating (general purpose): 1 kg/m²/coat, at min 300 mic DFT (Dry Film Thickness)

As Waterproofing coating: 1 kg/m²/coat, min 2 coats recommended to achieve 600 - 700 mic DFT

Actual coverage may vary according to substrate porosity, texture & wastage factors.

Yield: Approx: 18.5 Ltrs

Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

Health and Safety

This product is a water based emulsion of non-hazardous polymer. It is non-flammable and essentially non-toxic. Normal industrial hygiene procedures should be adhered to particularly when spraying and it is recommended that gloves and eye protection be worn. In case of skin or eye contact thoroughly irrigate with water and seek medical advice if any irritation develops or persists. In the case of accidental ingestion, wash mouth out with water and seek medical attention. Spillages should be cleaned up immediately with water as they will leave a film on evaporation. See MSDS for further information.



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