

Dr. Fixit UniProof 4000



WATERPROOF ROOF & PROTECTIVE COATING

Description

Dr. Fixit UniProof 4000 is an improved, single component, UV stable, elastomeric waterproof coating with anti-fungal properties.

Typical Applications

- All types of roofs such as concrete, metal, asbestos etc.
- Protective coating over PU foam insulations.
- Protective coating on concrete bridge decks & underpasses.
- Protective coating for exterior walls, plasters, renders etc.

Features

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

Packaging

20 kg plastic pails, GRWT

Method of Application

1 SURFACE PREPARATION

- Ensure the roof to be treated has a minimum of 1 : 100 drainage fall to a suitably sized outlet.
- All substrates must be sound, stable and free of dust, dirt, oil and any other contaminants which may impair adhesion.
- Mineral substrates must exhibit a smooth absorbent surface profile, any spalled or damaged surfaces must be repaired using a suitable Dr. Fixit Repair material.
- 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.
- All penetrations through the roof such as pipework or ducting must be sealed using a suitable approved sealant or expanding foam filler.
- Ensure detailing work is carried out on seams, splits, protrusions, fixings, drains, flashings, fasteners etc.

2 PRIMING

- Porous substrates should be primed with penetrating acrylic primer or using one coat of Dr. Fixit UniProof 4000 mixed with water upto 1:3 ratio. The primer should be allowed to dry for a minimum of 1 to 2 hours before over coating.

3 APPLICATION

- 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 4000.



- o Apply Uniproof 4000 at a coverage of 0.9 - 1.0 kg/sq.mt/coat using brush, roller or spray. Allow 3-4 hours drying time for second coat.
- o Larger roofs excess of 200 sq mt. should incorporate a suitable reinforcing fabric in the first coat. 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.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
* Colour		White & Grey
Density @ 25°C, g/cc		1.45 +/- 0.03
Solid content, % by wt		65±3
Elongation at break, %	ASTM D 412:02	150 - 200
Tensile strength	ASTM D 412	1.0 N/mm ² min
Water permeability @ 5 bar	BS EN 12390 - 8	Nil
UV resistance @ 100 Hours	ASTM G 154	Passes
SRI (Solar Reflective Index)	ASTM E 1980:01	> 90 (white colour)
Adhesion to concrete		≥ 1.0 N/mm ²
Application Temperature		10° C to 45°C
VOC Content		< 1 g/ltr

*Note: Other colours available upon request

Theoretical Coverage: 1.8 - 2.0 kg/m²/2 coats to achieve 650 - 750 microns DFT

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

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.

Pidilite MEA Chemicals L.L.C offers a wide range of Structural Protection and Waterproofing systems:



Pidilite MEA Chemicals LLC

PO Box 120657

Dubai, United Arab Emirates

T +971 4 884 9880 F +971 4 884 9879

Web: www.pidilitemea.com

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.