

CEMENTITIOUS WATERPROOFING SLURRY

Description

Dr. Fixit Unilastic 811 is a two component, flexible, waterproof coating based on Ordinary Portland Cement, graded aggregates, additives and acrylic emulsion polymer. On curing it forms an excellent elastomeric, waterproofing and protective layer. Dr Fixit Unilastic 811 is available in both natural gray and white colours.

Typical Applications

- o Shallow basement retaining walls.
- o Pile heads.
- o Concrete roof slabs, floors, balcony floor slabs, wet areas, lift pits etc.
- o Water tanks and swimming pools.
- o Waterproofing back sealer for marble, granite and other natural stones.
- o Waterproofing & Damp proofing for mineral based claddings & facades

Features

- o Flexible coating.
- o Excellent resistance to water ingress.
- o Excellent adhesion to concrete, natural and artificial stone.
- o Water Vapour permeable
- o Non-toxic.

Packaging

Powder: 25 kg

Liquid: 10 kg

Method of Application

1 SURFACE PREPARATION

- o The surface must be sound and free from dirt, dust and contamination.
- o Thoroughly wire brush the surface to remove any surface contamination.
- o Oil and grease must be removed using degreasing solvents.
- o Laitance should preferably be removed by hydro jetting or grinding.
- o Any damaged areas must be repaired using polymer modified repair mortar as recommended by Pidilite Middle East.
- o Dr. Fixit Unilastic 811 should not be used for any substrate repair.
- o For all critical areas like corner joints, floor wall junctions, pipeline peripheral use butylated tape before application of Dr fixit Unilastic 811.

2 MIXING

- o Transfer all the liquid component into a suitable clean mixing vessel and gradually introduce the powder component while constantly mixing with an electric rotary mixer. Mix it to a homogeneous, lumps free consistency.

3 APPLICATION

- 1 Saturate concrete surface with clean, potable water, Apply first coat while surface is in SSD condition without standing water.
- 2 Apply with a roller or shoot stiff bristle brush preferably. For large, critical areas reinforcement with glass fiber mesh is recommended between coats.



o Blinding Coverage

Apply a single slurry coat of mixed material at a coverage rate of 1.8 kg/m² over the substrate using a masonry brush or roller.

o Concrete slabs or roof slabs

Apply a single slurry coat of mixed material to the concrete at 1.8 kg/m² by a masonry brush or roller.

o Pile Heads

Apply two slurry coats of mixed material on to the pile head at 1.8 kg/m²

Note:

- o Where two coats are specified, the second coat must be applied at right angles to the first coat.
- o The treated area should be protected from direct sunlight.
- o Mix the entire quantity of both components at one go.
- o For ponding test allow the final application to cure for 7 days min.
- o Ensure thickness with wet film thickness gauge, after each coat application.

Technical Information (Typical properties @ 25 ± 2° C & 50 %R.H)

PROPERTIES	SPECIFICATION	RESULTS
Mix Density @ 25°C, kg/m ³	ASTM C185- 02	1800 ± 20
Working time		30 min.
Water penetration Hydrostatic (positive 5 bar) water pressure	BS EN 12390- 8	Nil
Water penetration Hydrostatic (negative 3 bar) water pressure	BS EN 12390-8	Nil
Elongation	ASTM D412	>40 % (Free film)
Tensile strength	ASTM D412	>1.0 N/mm ²
Crack bridge ability	ASTM C 1305	No cracks @ 1 mm width
Toxicity	BS 6920: PART 1:2000	Non-toxic
VOC Content	Maximum allowable 140g/ltr	< 1g/ltr
Fire test	ASTM E84 - 18	Class A

Theoretical Coverage

1. 8 kg/mm/m²/coat. Actual coverage may depend upon the substrate condition, porosity and texture.

Storage powders

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.

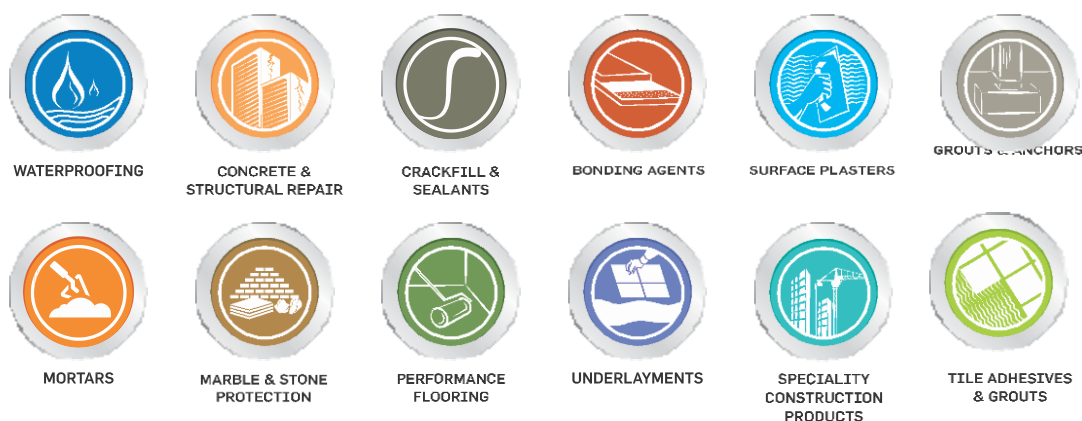
Storage liquids

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance

Health and Safety

This products contains cement. And contact with skin may cause irritation. It should not be inhaled, and a properly designed and maintained face mask should be used whilst handling, pouring and mixing the powder. Avoid contact with the product by working carefully, using a barrier cream and wearing protective gloves. If any contact does occur, wash thoroughly with soap and water. Use eye protection. Avoid contact with eyes, if such contact occur irrigate with water for 20 minutes and seek medical advice. If mistakenly ingested, drink plenty of clean water and seek medical advice. See MSDS for further information.

DR. FIXIT offers a wide range of Structural Protection and Waterproofing systems:



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