

Dr. Fixit Unirepair 300 HB



LIGHTWEIGHT HIGH BUILD CONCRETE REPAIR MORTAR FOR VERTICAL AND OVERHEAD REPAIRS

Description

Dr. Fixit Unirepair 300 HB is a polymer modified cementitious mortar incorporating lightweight aggregates and reology modifiers.

Typical Applications

- Repairs to spalled beams, soffits etc.
- Repair of concrete damaged by rebar corrosion or fibre damage.
- Repair of artificial landscaping and decorative features.

Features

- Ideal where form work is impractical.
- Good adhesion to concrete and steel.
- Chloride free.
- Excellent workability and finishing properties.
- High water and salt resistance.
- Can be laid in sections from 10 mm to 50 mm in a single pass.

Packaging

15 kg bags

Method of Application

1 SURFACE PREPARATION

- All damaged concrete must be removed and any corroded rebar exposed around its complete circumference.
- Saw cut edges of repairs to ensure a minimum of 5 mm material can be applied.
- All corrosion must be removed from existing rebar using either wet or dry abrasive blasting or wire brushing.
- Severely corroded reinforcement may require replacement; consult Engineer before proceeding.
- The surface of the exposed concrete substrate should be prepared to provide a heavily profiled key.

2 BONDING

- To ensure an optimum bond either saturate the substrate with water for 24 hours and then remove excess water or use a suitable bonding agent.

3 MIXING

- Dr. Fixit Unirepair 300 HB must be mixed mechanically using either a heavy duty slow speed mixing drill or forced action mixer. For larger areas a pump spray machine may be used.
- Add water to the container and the Dr. Fixit Unirepair 300 HB and mix for a minimum of 3 minutes until a fully homogeneous mix is achieved.

4 APPLICATION

- The mortar can be applied by pump spray, trowel or by gloved hand ensuring the material makes good contact and is well compacted on the primed or saturated substrate and around any reinforcement.
- If building up in layers provide a key by scouring the surface of each layer prior to application of the next.

5 CURING

- As with all cement based materials a good curing regime is essential especially in hot or windy conditions. Maintain in a wet condition by spraying with water and covering with polythene or wet hessian for 7 days after application.



DR.FIXIT offers a wide range of Structural Protection and Waterproofng Systems

PROPERTIES	SPECIFICATION
Binder	Ordinary Portland Cement
water/powder ratio	0.20
workability	30 mins
Yield	12.0 Ltrs/15 kg bag
VOC Content	Nil

Test Results

Test Description	Test Method	Results
Compressive Strength-28 day, N/mm ²	BS EN 196-1	>25
Flexural Strength	BS 6319-3	>4
Water Absorption	BS 1881-Pt 122	<2.0%
Application temperature	-	5°C min

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 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 occurs 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:



WATERPROOFING



CONCRETE & STRUCTURAL REPAIR



CRACKFILL & SEALANTS



BONDING AGENTS



SURFACE PLASTERS



GROUTS & ANCHORS



MORTARS



MARBLE & STONE PROTECTION



PERFORMANCE FLOORING



UNDERLAYMENTS



SPECIALITY CONSTRUCTION PRODUCTS



TILE ADHESIVES & GROUTS



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