

ACRYLIC BONDING AGENT

Description

Dr. Fixit Pidicrete MPB is composed of acrylic co-polymer emulsions & additives. It is used as bonding agent for new to old substrates & cement mortar modifier because it provides strong bonds to old & new concrete, improves tensile & flexural strength of concrete and increases the durability of the structure.

Areas of Application

- **Concrete repair** - spalled concrete, floors, columns, beams, chhajjas, slabs, parapets, etc.
- **Bond coat** - Old to new concrete, masonry, stonework plaster, fixing or re-fixing slip bricks, tiles, marbles & bedding.
- **Priming** - Reinforcement steel.
- **Additive** - Additives for renders & mortars.

Features & Benefits

- **Chloride content** - Contains no chloride admixture.
- **Speciality** - Formulated to suite Middle East climatic conditions.
- **User friendly** - Single component ready to use, simply brushed onto concrete as a primer.
- **Bonding** - Provides excellent bond to concrete, masonry, Stonework, plywood, gypsum, plaster and blackboard.
- **Strength** - Improves tensile, flexural and compressive strength as compared to control concrete hence increases the durability of structures.
- **Compatibility** - Compatible with all common cements hence it is versatile.
- **Dust generation** - Excellent as a dust proof sealer

Method of Application

1 SURFACE PREPARATION

- Clean the surface and remove any dust, unsound or contaminated material, loose plaster, oil, paint, grease, corrosion deposits or algae. Where breaking out is not required, roughen the surface and remove any laitance by light scabbling or grit blasting.
- Expose fully the corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to bright condition particularly the hidden portions of the exposed steel bars

2 APPLICATION

• Reinforcing steel priming

- Apply one coat of Dr. Fixit Pidicrete MPB mixed cement slurry (1:1 by volume) to all exposed steel reinforcement and allow it to dry. A second coat application is also recommended. Allow it to dry. The surface should be thoroughly soaked with clean water prior to application of Dr. Fixit Pidicrete MPB.
- Apply Dr. Fixit Pidicrete MPB with brush or rollers on the substrate and avoid ponding and remove any excess material. The repair or topping application should be carried out whilst the primer is still tacky.

• Render and Mortars

- A suitable mix ratio for patching repair mortar or render. Mix design - Portland Cement : 50 kg, Washed sand : 150 kg & Dr. Fixit Pidicrete MPB : 20 litres. Sufficient water can be added to give the required consistency

• Bonding Slurry Coat

- Mix Dr. Fixit Pidicrete MPB with cement where extra adhesion is required.
- Recommended mix shall be 10 litres of Dr. Fixit Pidicrete MPB mixed with cement in the ratio 1:1 by volume.

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• Curing

- Cure the repaired area by using Dr. Fixit Pidicrete MPB to prevent rapid loss of water. In severe drying conditions additional curing methods may also be necessary.
- Protect uncured mortar from frost and rain.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Milky white liquid
Chloride content		Nil
PH		7.0 - 8.0
Compressive strength, N/mm ²	BS 6319 Part 2:1983	Dry condition: 30-40
Wet Condition: 25-30		
Adhesion strength, concrete, dry condition, N/mm ²	BS 6319 Part 4:1984	5-20
Curing efficiency, %	BS 7542:1992	>55

Coverage

As bond coat approx 4-5 M²/Kg

Packaging

1, 10 & 22 Kg

Shelf Life & Storage

- Shelf life is 12 months from the date of manufacturing in unopened condition.
- Store in cool & dry place, away from direct sunlight and at a temperature not more than 30°C.

Health & Safety Precautions

- Dr. Fixit Pidicrete MPB is non-flammable.
- Wear suitable protective clothings, gloves, eye protection and respiratory protective equipment during application.
- In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advise.

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Other Product Categories Available

DR. FIXIT has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



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