

# DONCRETE- MPB

## ACRYLIC MULTI PURPOSE BINDER

### Description

**DONCRETE – 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. When mixed with cement, It forms a matrix & provide excellent waterproof coating.

### Features & Benefits

- Chloride content - Contains no chloride all.
- 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.
- 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
- Waterproofing - Improves waterproofing properties & cement & cementitious compositions.
- Flexibility - Improve flexural strength of cement & cementitious composition.

### Areas of Application

- Concrete repair – spalled concrete, floor, columns, beams, chajja, slab & parapet 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.
- Coating – As an flexibiliser to cement.

### 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 **DONCRETE – 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 **DONCRETE – MPB** .
- Apply **DONCRETE – 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.

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### Render and Mortars

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

### Bonding Slurry Coat

- **DONCRETE – MPB** with cement where extra adhesion is required.
- Recommended mix shall be 10 litres of **DONCRETE – MPB** mixed with cement in the ratio 1:1 by volume.

### Waterproofing With cement as an additive for achieving waterproofing

### Curing

- Cure the repaired area by using **DONCRETE – 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
<b>Appearance</b>		<b>Milky white liquid</b>
Chloride content		Nil
<b>pH</b>		<b>7.0-8.0</b>
Compressive strength, N/mm <sup>2</sup>	BS 6319 Part 2 :1983	Dry Condition :30-40
<b>Wet Condition 25-30</b>		
Adhesion strength, concrete. dry condition. N/mm <sup>2</sup>	BS 6319 Part 4:1984	5-20
<b>Curing efficiency, 96</b>	<b>BS 7542.1992</b>	<b>&gt;55</b>

### Coverage

As coating Approximately 5-7 m<sup>2</sup>/litre

### Packaging

1,10, 20 litres

### Shelf Life & Storage

- Best before one year from the date manufacture when in sealed pack and stored under proper condition.
- Store in a cool & dry place in unopened condition away from direct sunlight

### Health & Safety Precautions

- **DONCRETE – 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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## ACRYLIC MULTI PURPOSE BINDER

### Other Products Categories available

- Don brings you the widest range of Construction Chemicals.



TECHNICAL COLLABORATION WITH



**Don Building Chemicals (India) Pvt. Ltd.**  
Lko.Address-B-111-112, Santosh Complex,  
Vibhuti Khand, Gomti Nagar, Lucknow- 226010  
Delhi Address- F-266,Second Floor, Mangal  
Bazar, Laxmi Nagar, New Delhi-110092  
Email:[donbuildingchemicals@yahoo.com](mailto:donbuildingchemicals@yahoo.com)  
Website:[www.donbuildingchemical.com](http://www.donbuildingchemical.com)

**Doncrete USA Inc.**  
Governors Hwy 292, PA-8, Oil City  
PA-United States- 24601  
E-mail: [help@doncreteusa.com](mailto:help@doncreteusa.com)  
Website:[www.doncreteusa.com](http://www.doncreteusa.com)