

# CAPCRETE

## CEMENTITIOUS COMPOUND FOR REINSTATEMENT OF CONCRETE PAVEMENT

### DESCRIPTION

CAPCRETE is a versatile, one part, patching and repair compound for repair projects of all types. Requiring only the addition of water, CAPCRETE is a high strength material, which is easy to use. It is similar in appearance to concrete and is suitable for use as a topping, patching mortar or repair material on horizontal surfaces. CAPCRETE has been specially designed to resurface large areas of concrete, which has been deteriorated. CAPCRETE is based on a special blend of cement, adhesion enhancing polymer, shrinkage compensating agent and polypropylene fiber to eliminate shrinkage and reduce stress at the bond line.

### COLOUR

Grey

### USES

Repairing of horizontal concrete structures such as,

- Parking decks.
- Floor toppings.
- Industrial floors.
- Pavements.

### ADVANTAGES

- High strength.
- Premixed, ready-to-use.
- Low permeability with excellent freeze/thaw resistance.
- Approximately 20 minutes working time (at 25°C).
- Suitable for interior or exterior applications.
- Tough surface, resistant to wear and weather.
- Low shrinkage and high bond strength. Provide excellent compatibility with concrete.
- Fiber reinforced for added strength and resistance to cracking.

### PROPERTIES

Working life (25°C)	20 minutes
<b>Trafficking time</b>	
Pedestrian	10 hours
Vehicular	18 hours
<b>Compressive strength as per ASTM C-109, at 0.11 w/p ratio using 50 mm cubes</b>	≥400kg/cm <sup>2</sup> @28 days

### APPLICATION INSTRUCTIONS

#### Surface preparation:

Clean the cavity or surface to be patched or topped for all loose adherent matter and surface contaminants such as rust, oil, grease, form release agents, etc. Areas to be prepared must be scrubbed to remove all defective material to provide a roughened surface as a mechanical key to achieve a good bonding. Saw cut the perimeter of the prepared area to a depth of minimum 12mm and remove the concrete to avoid feather edging.

#### Priming :

Prior to priming, the substrate should be thoroughly soaked with clean water and any excess should be removed from the surface. Prime the surface with CAPBOND SBR. Long lasting adhesion of the repair mortar to the substrate is obtained by the use of recommended primer.

#### Mixing :

Use a paddle type mortar mixer or drill with a jiffy mixer. Add a maximum of 2.75 liters of water per 25 kg bag to the mixer. Add the dry CAPCRETE powder and mix for 3 to 5 minutes. Allow for complete dispersion of the mixture. Do not add any additional cement or gravel. Water can be adjusted to get desired consistency.

#### Placing :

Place the CAPCRETE evenly over the primed surface and tamp with a wood float to ensure proper compaction and screed to desired level. Finishing may be done with steel trowel, float or other preferred finishing techniques.

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### Curing :

CAPCRETE requires curing in accordance with good concrete practice, as soon as trowelling has been completed. Curing may be achieved by CURACOAT-R, Curacoat-P, Polyethylene film, wet burlap etc. Temporary curing film must be left in place for at least 24 hours.

### Cleaning:

CAPCRETE should be removed from tools, equipment and mixers with clean water immediately after use.

### COVERAGE

25 kg of CAPCRETE yields approximately 11 liters of mortar, which will cover one square meter at 11mm thickness.

### PACKAGING

CAPCRETE is packed in 25 kg bags. Yield is 0.011 m<sup>3</sup> per bag.

### STORAGE

CAPCRETE should be stored over palette in a cool dry place. Shelf life will be 12 months in unopened bags.

### SAFETY PRECAUTIONS

CAPCRETE does not contain toxic materials. Care should be taken to avoid inhalation of powder and contact with skin or eyes during use.

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#### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note :** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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