

CAP MORTAR

TROWEL GRADE VERTICAL / OVERHEAD CONCRETE REPAIR MORTAR

DESCRIPTION

CAP MORTAR is a two component polymer modified cementitious repair mortar for vertical and overhead application. **CAP MORTAR** is a blend of cement, fibers and graded quality of aggregates and is enhanced by the addition of a synthetic homopolymer liquid as the gauging solution.

COLOUR

Grey.

USES

- For use on vertical and overhead patching of scaled and spalled concrete and masonry.
- Resurfacing old damaged concrete.
- Repair of Honeycombed surfaces.
- Retaining walls
- Ceilings and sloped surfaces.

ADVANTAGES

- Easy to use as a pre-packed kit.
- Excellent resistance to freeze/thaw cycling and de-icing salts.
- Suitable for both interior and exterior application.
- Excellent bond to sound concrete.
- High compressive strengths and bond.

PROPERTIES

Component-A: CAP MORTAR

Appearance: Grey powder 20 kg

Component-B: Modified synthetic homopolymer liquid 3.2 kg

Appearance:
White.

Specific gravity:
 1 ± 0.02

PROPERTIES OF BLEND

Mix density kg/m^3 : 2100
Workability : Trowellable putty
Working time minutes at 25°C : 25 min
Yield 0.011 m^3 per kit.

Compressive strength as per ASTM C-109

@ 24 hrs	110 kg/cm^2
@ 7 days	210 kg/cm^2
@ 28 days	270 kg/cm^2

DIRECTIONS FOR USE

Surface Preparation:

New concrete must be a minimum of 5 days old. The surfaces must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surfaces must be prepared mechanically using a scabbler, bush hammer, shot blast which will give a surface profile of a minimum 3 mm and expose the coarse aggregates of the concrete. The final step in cleaning should be the complete removal of all residues with a vacuum cleaner or pressure washing. All concrete must possess an open texture with all curing compounds and sealers removed. The exposed rebar must be treated with a zinc rich primer.

Bonding: After the surface has been prepared, all areas must be primed with a slurry coat of CAP MORTAR. Brush the slurry coat on to the prepared and pre-dampened concrete. Apply the CAP MORTAR topping before the slurry coat has dried.

Mixing:

Small quantity may be mixed with drill. Use a paddle type mortar mixer for large jobs.
CAP MORTAR has a pot life of 15 minutes.
Add the appropriate amount of CAP MORTAR Part B for the batch size and then add the Part A. Mix for 3-4 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

Application:

Place CAP MORTAR while the bond coat is still wet. Trowel CAP MORTAR material onto the prepared surface being repaired. Compact well to secure proper bonding.

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Curing:

Proper curing procedure are important to ensure the durability and quality of the repair. To prevent surface cracking , cure the repair mortar with a. high solid curing compound

Cleaning:

CAP MORTAR should be removed from tools with clean water. Remove all splatter and spills with water before material sets. Cured material can only be removed by mechanical means.

Packaging :

CAP MORTAR is 23.2 kg kit.
(CAP MORTAR PART A 20 kg bag and
CAP MORTAR PART B 3.2 kg liquid)

Shelf Life & Storage

12 months in unopened bags. CAP MORTAR should be **STORED** over pallets in a cool dry place.

Safety Precautions:

CAP MORTAR does not contain toxic materials. Care should be taken to avoid inhalation of dust and to prevent material entering into eyes.

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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