

CAPOXY MORTAR - BM

EPOXY BENCHING MORTAR

DESCRIPTION

CAPOXY MORTAR –BM is moisture insensitive high performance heavy duty three component system consisting of epoxy resin, chemical resistant hardener and quartz fillers.

The system exhibits excellent chemical and abrasion resistance

USES

CAPOXY MORTAR –BM is specially designed for the rehabilitation of manholes. Lining of outfalls, sewerage works and all similar structure.

ADVANTAGE

- Chemical resistance
- Highly resistant to large range of industrial chemicals and alkalis
- High early strength
- Solvent free
- Excellent abrasion and impact resistant.
- The cured system is impervious to water penetration.
- Easy installation.

STANDARDS /APPLICABLE TEST METHOD

ASTM C-307, C-308,C-413,C-579,C-580

Technical information

Pot life at 25⁰ C : approx 60 minutes.

Curing properties At 25⁰ C : Foot traffic -24 hrs

Wet mortar Density kg/m³ : 1.80

Water absorption % : ≤0.2

Compressive strength at 7 days kg/cm² : ≥400

Chemical resistance:

No significant change notice in mechanical properties when **CAPOXY MORTAR –BM** blocks left immersed at 25⁰ C in following chemicals for the period of three months

- Sea water.
- Ground water.
- Sewage water.
- Soaps and detergents
- Dilute sulphuric acid.
- Alkalis
- Atmospheric conditions.
- Vegetable oils, mineral oils and fats.
- Mold, bacteria and organic growth

DIRECTIONS FOR USE

Surface preparation

Concrete surface must be clean and structurally sound and free from all previous sealers, grease, oil and other contaminants, which may impair bond. Remove surface Laitance by Sand Blasting or by other Mechanical means. Water jet surface to remove all dust and debris. If there is an active leak it should be plugged with **CAPHYDROPLUG** to stop ingress of water

Priming:

Prime the substrate with **CAP POXY PRIME SPL**, Mix the two components for 2-3 minutes using a slow speed drill, with a suitable paddle. Apply by brush or roller and work well into the surface. Apply **CAPOXY MORTAR –BM** while the primer is still tacky.

Mixing:

CAPOXY MORTAR –BM kit is supplied in pre weigh packs and should not be split or divided. Stir each component separately in clean mixing container with a slow speed drill. Empty the components B in component A and, mix it for 2-3 minutes slowly add the fine aggregate and mix it with force action mixer.

Application must be halted if the ambient temp is 10⁰C and dropping. At 30⁰ C and rising temperature working time will be reduced considerably.

Application

Apply **CAPOXY MORTAR –BM** on prepared surface with spatula or steel trowel. Pressing the mortar firmly to ensure good compaction and adhesion. On vertical and overhead surfaces, avoid applications over 12 mm layer.

Where additional layers of epoxy mortar required, avoid tight closing the surface of first layer. To close the surface and to achieve a smooth and impregnable finish, saturate the trowel with water.

COVERAGE

CAPOXY PRIME SPL : 8 -10 m² / liter

CAPOXY MORTAR - BM Yields 16.5 liter per kit

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CLEANING OF TOOLS

Clean the tools with **CAP THINNER** immediately after use, remove uncured **CAPOXY MORTAR –BM** from tools and equipment by using **CAP THINNER**- Cured material may only be removed mechanically

PACKAGING

CAPOXY MORTAR –BM (a+b+c): 30 kg Kit
CAPOXY PRIME SPL : 1,4,20 liters
CAP THINNER : 5 liters

STORAGE

CAPOXY MORTAR –BM should be stored Under shade at temperatures between 10⁰ and 35⁰ C.

SHELF LIFE:

12 months in sealed original container, under recommended storage conditions

SAFETY PRECAUTIONS

Keep container closed when not in use
Keep out of reach of Children
Both components are irritant, prolonged contact with skin or Eye may cause sensitization.

FIRST AID

Skin contact

Wash thoroughly with soap and water.

Eye contact

Flush immediately with clean water and seek Medical advice

Respiratory Problem

Remove affected person to fresh air immediately And contact physician.

Hygiene

Wash hand immediately with **CAP THINNER** Followed by soap and water

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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