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 25°C : approx 60 minutes.
Curing properties At 25°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 25 °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 10°C and dropping. At 30 °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
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 35⁰C.

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.