

# CAPOXY MORTAR-TA

## SOLVENT FREE HIGH PERFORMANCE EPOXY SCREED

### DESCRIPTION

**CAPOXY MORTAR –TA** is high performance heavy duty three component epoxy resin based mortar, suitable for use as monolithic surfacing / topping. **CAPOXY MORTAR –TA** is designed to provide superior corrosion protection to concrete surfaces. **CAPOXY MORTAR –TA** surfacing forms a dense durable resin rich structure, unaffected by splash and spillage of most common industrial chemicals. Applied mortar may be combined with clear or pigmented topcoat for easy clean ability and aesthetic appearance of the surface.

### COLOUR

Clear

### USES:

As a protective overlay for new construction or to restore old worn out floors and curb of.

- Industrial aisle
- Food processing industries.
- Breweries.
- Pulp and paper mills.
- Automobile plants.
- Refinery.
- Airplane hangars.
- Chemical and cosmetic manufacturing area.
- Laboratories and manufacturing plants.

### ADVANTAGES

- High Mechanical resistance.
- Exceptional impact and chemical resistance.
- Slip resistant.
- Stress relieving.
- Limited shut down period required.

### PROPERTIES @ 25<sup>0</sup> C

Pot life minutes	: approx 30 .
Foot traffic Hrs	: 16-24
Wet mortar Density kg/m <sup>3</sup>	: 2100
Compressive strength kg/cm <sup>2</sup>	
At 7 days	: 650
Adhesion to concrete	: Pass

### Resistance to Occasional Spillage By ASTM D-1308

The fully cured mortar is resistant to

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

### DIRECTIONS FOR USE

#### Surface preparation

Concrete surface must be clean dry 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. Vacuum surface to remove all dust and debris. Newly constructed Floor should be minimum 28 days old.

#### Priming:

Prime the substrate with **CAPOXY 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 –TA** while the primer is still tacky.

#### Mixing:

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.

**CAPOXY MORTAR –TA** kit is supplied in preweigh packs and should not be split or divided. Application must be halted if the ambient temp is 10<sup>0</sup>C and dropping. At 30<sup>0</sup> C and rising temperature working time will be reduced considerably.

#### Application

Apply **CAPOXY MORTAR –TA** by dumping into tacky primed surface. Spread the mortar using a large wood float or rake. Allow to stand few minutes to permit entrapped air to escape.

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Compact and finish the mortar using a float or steel trowel avoid feather edging. Rout out and chase around floor drains or elevation changes to maintain a thickness of at least 5 mm.

### By Power trowel

Follow the above procedure with regard to application of primer and mixing **CAPOXY MORTAR TA** , spread the mortar onto the floor using a screed box. The material is than compacted by a variable speed power trowel machine to remove the voids and make the floor smooth and dense. The floor edges must be finish by hand trowel.

### Sealing

Cured **CAPOXY MORTAR -TA** can be sealed with clear or colored topcoat (recommended capoxy floor-500 ) to get improved resistance and easier to clean, dense surface finish.

### COVERAGE

**CAPOXY MORTAR -TA KIT LAID AT 5 MM** thick covers 3 M<sup>2</sup>.

Coverage is based on constant thickness on a regular substrate.

### CLEANING OF TOOLS

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

### PACKAGING

**CAPOXY MORTAR -TA** : 30 kg kit  
**CAPOXY PRIME SPL** : 1 liter and 4 liter kit  
**CAP THINNER** : 5 liters

### STORAGE

**CAPOXY MORTAR -TA** should be stored under shade at temperatures between 10<sup>0</sup> and 35<sup>0</sup> C.

### SHELF LIFE:

24 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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