

TECHFIN CHEMICAL REPAIR MORTAR

CHEMICAL SET MORTAR FOR HIGH EARLY STRENGTH REPAIRS

DESCRIPTION

TECHFIN CHEMICAL REPAIR MORTAR is a pre-bled grey coloured powder incorporating selected aggregates and is formulated to give controlled high early strength properties for rapid repairs to traffic areas and for low temperature repair work. Ideal for environments usually corrosive to concrete such as sewers, waste water treatment works, livestock holding areas and ramps.

ADVANTAGES

The advantages over conventional repair materials are:

- High early strength
- Minimum delays to traffic and production. When used to repair concrete pavings it allows the re-opening to traffic within one hour of laying
- Pre-mixed - only requires the addition of water (see Mixing)
- High bond strength. No secondary bonding agents required (± 7 times greater than that of concrete)
- Highly durable, excellent resistance to deicing salts
- No curing required
- Can be placed in sub-zero temperatures
- Non-shrink
- No pre-saturation of substrate required
- Thermal expansion and contraction similar to Ordinary Portland Cement

APPLICATIONS

- Used in situations where minimum delay and work disruption is of utmost importance.
- Repair to industrial floors, concrete roads and pre-cast concrete
- Crane rails and small base plates
- Loading bays and Platforms
- Beams / columns / plinths
- Used as a bedding mortar
- Cold room floor areas
- Around fixing bolts and pipes
- Repairs to honeycombing
- Raising and leveling manhole covers, gratings, hydrants, etc.
- Sewerage repairs

TECHNICAL DETAILS

Initial Set Time	10 minutes
Final Set Time	1 hour
Appearance	Light grey colour
Compressive Strength:	
1 DAY	18 MPa
7 DAY	25 MPa
28 DAY	30 MPa
Coverage	6m ² per 25Kg bag at 2mm thickness
Yield	12 Lt per 25Kg bag

PACKAGING

The product is packed into 25Kg bags.

SHELF-LIFE

12 months when stored in a cool, dry place.

DIRECTIONS

PREPARATION

Concrete surface must be clean, sound and free of all contamination viz, dust, dirt, grease, acids, oil and curing membranes, etc. Areas for repair must be square cut to a minimum depth of 25mm and roughened. Do not feather edge this material. When reinforcing bars are exposed ensure that they are thoroughly wire brushed or sand blasted prior to application of TECHFIN CHEMICAL REPAIR MORTAR. Do not use bonding compounds on the reinforcing steel.

PRIMING

No priming is required

MIXING

Mix small quantities at a time as follows:

MORTAR : 1x25kg bag to 2-2.5 liters of water

CONCRETE : 1x25kg bag to 2 liters of water

PATCHES : 5kg to 400ml - 500ml of water

SEALING

Not required. The repair can be painted over once set hard.

PRECAUTIONS

- Never add cement and / or sand to TECHFIN CHEMICAL REPAIR MORTAR
- When mixing small batches at a time the entire bag should be thoroughly mixed dry before weighing off the required quantity.
- Never add more water than the mixing instructions allow as additional water will destroy the strength and chemical properties of the TECHFIN CHEMICAL REPAIR MORTAR.

CLEANING

Clean tools and surfaces with water.

STORAGE

Store the product in closed bags in a cool, dry place. Do not expose to humidity or rising damp while in storage.

SAFETY

Use gloves when handling this product. Avoid direct skin contact. Keep away from chlorine based products.

Gauteng

Kwa-Zulu Natal

Western Cape