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TECHNICAL DATA SHEET TDS087
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CONCRETE REPAIR MIX

DESCRIPTION

CONCRETE REPAIR MIX pre-blended cement based, fine concrete containing selected aggregates and special additives. It is specially formulated for quick setting and high early strength repairs.

USES

CONCRETE REPAIR MIX is a fast setting concrete for use in any situation where the minimum of delay and work disruption is required. Areas of use include: bedding of manhole frames, road furniture, kerbs and pothole patching on concrete pavements.

ADVANTAGES

- * **FAST SETTING**
Minimum disruption to traffic.
- * **EASY TO USE**
Needs only the addition of water.
- * **NON SHRINK**
Does not crack.
- * **DURABLE**
Tough, wear resistant surface.
- * **WATER RESISTANT**
Resistant to rain or tidal submersion within two hours.

PACKAGING

CONCRETE REPAIR MIX is available in 10kg pails.

TECHNICAL DATA

Mixed colour	Natural grey		
Consistency	Trowellable, high slump, fine concrete		
Working time	10 minutes		
Initial set	20 minutes		
Final set	45-60 minutes		
Wet density	2200kg/m ³		
Compressive strength at 20°C to BS1881 Part 116	N/mm ²		
	5°C	20°C	
	2 hours	3	7
	4 hours	5	11
	1 day	15	18
	3 days	17	20
	7 days	22	24
	28 days	28	28
Minimum thickness	10mm		
Yield	0.005m ³ per 10kg bucket		
Coverage	50kg/m ² at 25mm thick		

METHOD OF USE

Surface Preparation

All surfaces must be sound, free from all traces of loose material, laitence, oil, dirt and grease etc. Porous substrates should be pre-wetted, particularly in hot weather. Avoid ponding water.

Mixing

Remove the bag of powder. Add clean, cold water up to the level indicated on the tub. Slowly add powder to mix, whilst using a slow-speed mixer drill and paddle. (Mixer ref. HD100). Place and compact mortar within 10 minutes.

Application

Apply the mixed mortar without delay to the prepared surface. Compact thoroughly and finish with a steel trowel. Dependent on the type of repair, the maximum thickness of a single layer of mortar is 50mm. For thicker application, cross hatch surface and leave for 2 hours before application of second layer(s).

APPLICATION FOR MANHOLE SEATING

Prepare rebated area to allow minimum bedding depth of 10mm. Ensure all loose material and contaminants are removed and that clean, sound concrete is obtained. Dampen down the concrete lip or collar with clean water, making sure that "puddles" are not standing when the mortar is applied. For best performance and levelling, place packers, such as plywood strips, to the correct height.

Mix the CONCRETE REPAIR MIX as before and place as required where the frame is to be bedded to a height just above the packers. Immediately place the frame and adjust until in the correct position, resting on the packers. Leave to cure. Can be trafficked after 60 minutes at 60°C.

Note: Minimum application temperature is 5°C. Cold temperatures will retard and high temperatures accelerate set and strength gain.

Cleaning of Tools

Tools and equipment should be cleaned directly after use with water. Do not allow this mortar to harden before removing.

STORAGE

CONCRETE REPAIR MIX must be stored in a dry place free from moisture contact. This product has a six month shelf life when stored in original unopened containers. Protect from frost.

HANDLING

CONCRETE REPAIR MIX is non-hazardous, but work cleanly and wear protective clothing. In windy conditions wear a filter mask to avoid inhaling dust. Remove splashes from skin with water and in case of eye contact wash copiously with water and if irritation persists seek immediate medical attention. For further information refer to the relevant Health and Safety data.

We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.

