TECHNICAL DATA

FIXOCRETE . MC 2000

HIGH STRENGTH MICROCONCRETE REPAIR MORTAR

FIXOCRETE MC 2000 is polymer modified cementitious repair mortar fc hand application to improve physical, and installation properties and reduce th possibility of shrinkage cracks. When mixed with recommended amount of clea water, it forms a grey trowellable mortar, which is suitable for interior or exteric applications on to vertical and overhead repairs.
Concrete repair product is specially formulated to produce a shrinkage free morta giving a smooth finish with excellent adhesion and good water resistant properties.

FEATURES

- Premixed Powder – requires only on site addition of water.
- Shrinkage compensating
- Excellent compressive strength
- High bonding strength to prepared surfaces.
- Durable, low permeability and weather proof
- Resistant to carbonation and chlorides attack

TYPICAL PROPERTIES

Test method	Typical result
Compressive strength BS 1881 : Pt 116	>35 N/mm² at 1 day >50 N/mm² at 3 days >60 N/mm² at 7 days >70 N/mm² at 28 days
Indirect tensile strength (BS 1881 : 1Pt 117)	>4.9N/mm²
Flexural strength 1 day (BS 6319 Pt 7) 7 days 28 days	>5 N/mm² >9 N/mm² >12N/mm²
Tensile strength 1 day (BS 6319 Pt 3) 7 days 28 days	>2.5 N/mm² >4 N/mm² >6N/mm²
Bond strength (BS 1881 Pt 207)	>2N/mm
Water permeability (Din 1048)	>7N/mm

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APPLICATION

1. Surface Preparation

The surface of the concrete to be repaired should be sound, clean and uncontaminated. The decayed or damaged area should be saw cut, keeping the sides of the area as square as possible. Loose materials must be removed carefully using suitable means such as sharp tools or chipping hammer. If the reinforcement is corroded make sure that the back of the steel is completely exposed. Then clean the steel to bright metal condition.

2. Priming

A. Reinforcement steel: on completion of the cleaning, prime the clean reinforcement steel using Zinc rich primer

B. Concrete: In the event of severe concrete damage due to chloride attack, it is recommended to use a bonding coat before applying . To achieve optimum bond between fresh and cured section, FIXOCRETE should be applied when the bonding agent is tacky.

3. Mixing

FIXOCRETE can be mixed by hand or mechanical means. Quantities not greater than 10 Kg may be mixed at a time. Slowly add the FIXOCRETE powder to clean and gauged water, working well to produce a smooth mortar. The consistency of the mix can be adjusted by the addition of more powder or water as necessary.

4. Placing & finishing

Whilst the primer is still tacky, apply the mortar mix and compact well. Application can be with trowel or a rubber hand glove to paste the material in place. FIXOCRETE can be applied to desired thickness in layers on vertical and overhead surfaces. High build application can be achieved by using a formwork. While applying multiple layers, the previous layer should be cross hatched and allowed to set before applying the next coat.

FIXOCRETE should be cured in accordance with good concrete practice by applying a suitable curing membrane or by covering the work with properly secured plastic sheeting. Protection against rapid drying from wind, sun or excessive heat is necessary.

CLEANING

Clean all tolls with water immediately after use

HEALTH AND SAFETY

Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately

PACKING

FIXOCRETEis available in 25 Kg. bags.

STORAGE

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