

DONCRETE – MC

HIGH STRENGTH, NON-SHRINK MICRO-CONCRETE

DONCRETE-MC is a ready to use non-shrink, high strength, free flowing repair micro-concrete which requires only the site addition of clean water. **DONCRETE-MC** is based on OPC, graded aggregates, binders, fillers and additives which impart controlled expansion characteristics in the plastic state, while minimizing water demand. For high early strength and long-term durability required low water consumption. Conforming to BS 4551-80/ASTM C 827-1987/BS:1881-Part-207.

USE:

Structural repairs, columns, beams, slabs, floor, bridge, decks, void fillings, Joints filling, piles cap repair, concrete jacketing.

ADVANTAGES:

- Polymer modified Pre-packed and ready to use.
- Easier placing, better compaction and finishing.
- Lower water requirement for given workability.
- Excellent adhesion and durability.
- Achieved High ultimate strength.
- Can be pumped and poured in to restricted area.
- Chloride free.
- Interior and exterior.

SURFACE PREPARATIONS:

- Concrete surface must be structurally sound of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence oil and all other contaminants.
- Clean and prime exposed steel with Rust Remover & Prime Zink. Alternatively, all prepared concrete substrates should be primed using Concrete Bond-108

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MIXING:

- Mix 25 Kg bag of **DONCRETE-MC** with 3.5 to 4.5 Liter of water and shall be carried out in concrete mixer for mixing small quantity a drilling machine fitted with a paddle can be used, if needed add 1-2 Liter water as required.

TECHNICAL SPECIFICATIONS:

| | | |
|---------------------------|---|---------------------------------------------|
| Water Penetration | : | 5 mm (BS-EN-12390 Part-8) |
| Wet Density | : | 2100 – 2200 kg/m ³ |
| Compressive Strength | : | 80 N/mm ² @28 days (ASTM-C-109) |
| Tensile Strength | : | 2.0 N/mm ² @28 days (ASTM-C-307) |
| Flexural Strength | : | 5.0N/mm ² @28 days (ASTM-C-580) |
| Expansion Characteristics | : | 1 to 4% (ASTM-C-887) |
| W/P Ratio | : | 0.16 |
| Packing | : | 25 Kg. bags |
| Self Life | : | 6 Month in unopened package. |



TECHNICAL COLLABORATION WITH



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