

Comtech Flow MC25

High strength, Free flowing, non-shrink micro concrete.

Description:

Comtech Flow MC 25 is a high strength, no shrink free flowing cementitious micro concrete.

Comtech Flow MC25 is blend of portland cement , graded aggregate , special fillers, polymers. When mixed with clean water a free flowing product ideally suited for pour placing of large volumes up to 200mm thicknesses.

- Self compacting without the need for vibrating.
- Proven and predictable performance.
- Excellent bond to concrete substrates without primer.
- Impermeable.

Primary uses:

- Concrete structure repairs.
- Grouting and filling the connections of precast panels.
- Void filling between old and new concrete.
- Pile cap reprofiling and encapsulating.
- Large volume or area repairs where the use of hand or trowel is impractical.
- Base plate under bedding.
- In repair areas with restricted access or high concentration of reinforcement.
- Milling machines.

Standards:

Complies with CRD-C 621
ASTM C1107-Grade B

Yield:

25 Kg bag of **Comtech Flow MC25** will yield 13 Liter when mixed with 3.5 Liter of water.

Typical properties:

Appearance: Grey powder.

Mixed density : 2200kg/m³

Compressive strength : 1Day > 24N/mm²

(ASTM C 109) 7Days > 42N/mm²

28Days > 65N/mm²

Adhesion strength : 1.5Mpa @ 28days

Water absorption : less than 2.5%

Drying shrinkage : < 400 microstrain

@28days

Advantages:

- Non shrink.
- Rapid strength development and high ultimate strength.

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Method of use:

Surface preparation:

The surface of concrete to be filled or grouted should be sound, clean and uncontaminated.

The form work should be rigid and tight to prevent loss of grout and have properly closed faces.

Priming:

It is enough to saturate the area to be filled with water prior to the application of **Comtech Flow MC25**.

Remove any free standing water before placing the formwork.

Mixing:

Comtech Flow MC25 should be mixed by mechanical means. Slowly add **Comtech Flow MC25** to a clean gauged water (2.75-4Liter of water to 25Kg bag of **Comtech Flow MC25**).

Placing:

The mixed material should be placed within 30 minutes. It can be poured or pumped in to the grouted area to fill the cavity at the required level. No vibration is required.

Curing:

Due to the presence of rapid drying polymers, the grouted area shall be cured in accordance with a good concrete curing practice like wet hessian or curing compound.

Packaging and storage:

Comtech Flow MC 25 is supplied in 25Kg bags; All Comtech products should be stored in a dry shaded area, protected from breakage, deterioration and contamination.

Health and safety:

Comtech Flow MC 25 does not classified in the hazardous materials; however it should not be allowed to come into prolonged contact with skin and eyes.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

The first aid if some harm happened with eyes in to wash with water.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned copies of which will be supplied on request.

