



MICROCONC 100PT

Vertical and overhead cementitious patch work repair fiber reinforced mortar

Description

MICROCONC 100PT is supplied as a ready to use blend of dry powders, which requires only the addition of clean water to produce a highly consistent, lightweight repair mortar suitable for general purpose concrete and masonry repairs.

Advantages

- saving time and expense of multiple applications
- Obviates the need for formwork
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides.
- Excellent bond to the concrete substrate
- Thixotropic material

Uses

- Vertical and overhead repairs
- General concrete and masonry repairs
- Voids greater than 10 mm deep
- Repairs to honeycombing, Larger scale repairs where formwork cannot be erected

Compliance standard

- ASTM C157-93: Test for drying shrinkage
- DIN 1048 Pt. 5: Test for permeability
- BS 1881 Pt. 122: Test for water absorption

Design criteria

- Dimensional Stability Technology is a major step forward in the general compatibility of repair mortars systems with the host concrete, and the control of shrinkage in particular. Attention to the basic design criteria given below should ensure that the full benefits of this technology are gained in use: Recommended limits for a single application are:
 - Minimum applied thickness : 10 mm (Overhead sections up to 50 mm thick)
 - Vertical sections : up to 50 mm thick
 - Small pockets or horizontal : up to 100 mm thick
 - Maximum length : up to 3 m

Technical Information

The following typical results were obtained at a water to powder ratio of 0.18.

PROPERTIES	RESULTS
Drying shrinkage (ASTM C 157-93)	< 300 micro strain 7 days < 500 micro strain 28 days
Permeability (DIN 1048 Part 5)	< 10 mm
Compressive strength (BS 1881 Pt.1161)	35 N/mm ² at 7 days 45 N/mm ² at 28 days
Flexural strength (BS 6319 Pt. 3)	> 6.5 N/mm ² at 28 days
Water absorption	< 2%

Instructions for use

- Clean the concrete surface from dust, oil, grease if present on surface.
- Remove destroyed part from particular place up to healthy layer
- Wet the surface by sprinkling clean water
- Place the MICROCONE 100PT prepare paste to patches and let it to set and then cure as recommended

This in turn leads to a series of associated benefits:

Cost effective – shrinkage control enables repairs to be completed ‘right first time’

Enhanced durability – works in tandem with extremely low Permeability to prolong effective working life.

User friendly – specifically developed to provide an easy to- apply product, suitable for local conditions

Definable performance – positive benefits are easily demonstrated via a single, simple measurement

Coverage

- Approx.19.5 kg/m² per 10 mm thickness

Packaging

- MICROCONE 100PT is supplied in 25kg bags

Shelf life:

- MICROCONE 100PT has a shelf life of 12 months; if kept in a dry environment, in its original, unopened packing. If stored in conditions of high humidity and/or temperature, the shelf life may be reduced to as little as 4 months.

REDWOP CHEMICALS PVT. LTD.

Head office: 2nd Floor, Pearl plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, India.

✉ info@redwop.net

🌐 www.redwop.net

☎ +91 97246 55551

☎ +91 281 2576664