

ReArm Crete MC

(Formerly known as MYK CRETE MC)

Non-shrink, cementitious repair concrete



TECHNICAL DATA SHEET

Product Description

ReArm Crete MC is ready to use single component dry powder cementitious material. It is supplied as a pre- blended polymer modified dry powder the addition of recommended water at the site to produce a non shrink free flowing high strength micro concrete. This is specially designed for repair to damaged reinforced concrete. It is suitable for use in wide range of repairs, pavements, ramps etc.

Uses

- Strengthening of vertical columns.
- It is mainly recommended for the repair of damaged concrete structures: columns beams, slabs etc.
- It is also recommended for grouting of large gaps.

Features and Benefits

- It is a properly designed concrete
- It can be pumped or poured into restricted reinforced concrete
- The high workability of the micro concrete does not require vibration
- Rapid strength development
- Good bonding properties with old concrete
- Pre packed which gives better results

Application Methodology

Step no.1: Surface Preparation:

The substrate must sounds clean and free from contaminations, all loose particles must be removed. The steel and concrete surfaces must be etched mechanically to enhance the bonding properties.

Step no.2: Mixing:

For better results mix the material mechanically. To enable the grouting operation continuously it is essential that sufficient man power and mixing capacity are available at the site.

Step no.3: Placing:

At 30° Celsius the grout within 20 minutes of mixing to gain the full benefits of the expansion process
Working time:

Following mixing the material should be placed within 30 minutes depending upon the temperature and other conditions for best results.

Curing:

The entire exposed surface must be adequately cured with clean water. Shuttering: The form work should be constructed to be leak proof. This can be achieved by using suitable material or by using foam rubber strip or mastic sealant beneath the constructed form work and between joints.

Working Conditions:

Do not place the grout when the ambient temperature is 5°C. Use hot water to gain the strength when the temperature is low and cold water when the temperature is high.

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Technical Data

Test result at 30°C W/P Ratio 0.16

Fresh wet density (Mixed density @270C)	2150 - 2250 kg/m ³
Expansion characteristics Unrestrained expansion	1 to 4%

Compressive strength

(Tested on 70.6mm cubes as per BS 4551-80)

1 Day	10 N/mm ²
3 Days	25 N/mm ²
7 Days	35 N/mm ²
28 Days	50 N/mm ²
Flexural strength	5 N/mm ² @ 28 days

Packaging

25 Kg HPDE Bags

Storage and Shelf Life

Store under covered in unopened bags clear of the ground in cool dry condition, protected from frost and excessive draught. When stored in the above conditions to be used within 6 months from the date of manufacture.

Precautions

Strictly to be followed the water powder ratio as specified the shuttering should be 100% water tight. Surface

Product Categories Available



Legal Note

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MYK Arment Private Limited
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034
Tel: +91 40 6816 0001 | Email: myk@mykarment.com | www.mykarment.com