

MYK Crete MC

Non-shrink cementitious repair concrete

Description:

MYK 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.

Areas of Application:

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.

Advantages:

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

Prepacked which gives better results

Technical Data:

Test result at 30 °C

Compressive strength

(Tested on 70.7mm cubes as per BS 4551-80)

1D : 100 Kg/cm²

3D : 250 Kg/cm²

7D : 350 Kg/cm²

28D: 450 Kg/cm²

W/P Ratio 0.16

Flexural strength :

50Kg/cm² @ 28 days

Expansion characteristics :

Unrestrained expansion: 1 to 4%.

Fresh wet density :2150 - 2250 kg/m³ (Mixed density @27 °C)

Precautions:

Strictly to be followed the water powder ratio as specified

The shuttering should be 100% water tight.

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.

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.

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.

Storage:

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.

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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

Supply:

25 Kgs HDPE bags

Quality Policy:

The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg.

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations.