

CRESCRETE MC is a single component, shrinkage compensated free flowing micro concrete, provide high strength. It contains blends of Portland cement, aggregates, special fillers and other special additives.

ADVANTAGES

- Excellent Strength.
- Single component, only mixed with water.
- Easy to use, no special equipment required.
- Shrinkage controlled polymer modified system.
- Chloride free, will not promote corrosion of reinforcement.
- No cracking.

USES

- Repairing large volume application such as pile heads,
- Used as a heavy duty floor screed & levelling compound from 10 – 120 mm on top of structural concrete
- Columns, walls, beams and floors.
Other concrete repair works and also as floor screeds.

SURFACE PREPARATION

Application surfaces must be structurally sound, free of loose or deteriorated concrete, free of dust, dirt, paint and other contaminants. Cracks or cavities to be sealed may need to be enlarged to increase the bonding area. Where surface contamination exists, concrete surfaces should be prepared by water blasting, girt blasting or wire brushing in the area of the leak in order to remove the laitance in preparation to receive the **CRESCRETE MC**.

LIMITATION

1. When working in high ambient temperature use cool water to mix the product & avoid application during hottest time of the day.
2. Avoid application if the area may be subject to the onset of rain or moving water.
3. Do not part mix under any circumstances. All products should be used within the pot life.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Grey	-
Pot life @ 25 °C, mins	25-40	-
Density, g/cc	2.3 ±(0.1)	ASTM D1475
Compressive strength @28 days, N/mm ²	>64	ASTM C 579
Flexural Strength, @28 days, N/mm ²	12	ASTM C 580
Pull off strength, @7 days, N/mm ²	>2.6	BS EN 1542
Application Temperature, °C	5 to 35	-

All values given are subject to 5-10% tolerance

HOT WEATHER CONDITIONS

For application above 40°C we recommend adopting the following guidelines:

1. Store unmixed materials in a cool preferably air conditioned environment.
2. Avoid exposure of mixed & unmixed materials to direct sunlight.
3. Keep equipment that will be in contact with the product cool and away from direct sunlight.

MIXING

Pour 2.75 to 3.5 liters of clean water into a mixing bucket slowly add full bag (25 kg) of **CRESCRETE MC** to get a lump free homogeneous stiff paste using spiral paddle with slow speed of 400-500 rpm atleast 1-3 mins.

CLEANING

All the tools and equipments must be cleaned by water after the application.

COVERAGE

CRESCRETE MC provides with the yield range up to 12 -13 liters /25 kg bag.

PLACING

CRESCRETE MC should be poured in a single continuous operation, within 30 mins of mixing. It can be poured or pumped to repair area to fill the holes at the required level.

PACKING

25 kg bag.

STORAGE

Material must be stored in a covered area, away from direct sunlight and protected from extreme temperature. Must be protected from moisture and frost conditions.

SHELF LIFE

Shelf life is 12 months in sealed original containers under recommended storage conditions. Once opened the material should be used as soon as possible.

HEALTH & SAFETY

CRESCRETE MC is based on cement and thus can be irritating to the skin and eyes. Gloves and eyeprotection should be worn. As with all chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thoroughly washing with clean water. If ingested seek medical attention.

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable, care is taken compiling this technical data sheet, all recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to satisfy them that each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

**Refer material safety data sheet (MSDS) for further information.*