

CRES®CRETE FRM is a single component polymer modified, fibre reinforced non-shrink repair mortar, provide high strength. It contains blends of Portland cement, sand, polyethylene fibre, polymer powder, special fillers and other special additives.

USES

- Repairing honeycombs, concrete facades and spalling.
- Used for concrete restructuring of balconies, terraces, walls, etc.
- Other concrete repair works.

ADVANTAGES

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

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, grit blasting or wire brushing in the area of the leak in order to remove the laitance in preparation to receive the **CRES®CRETE FRM**.

MIXING

Mix 25 kg of **CRES®CRETE FRM** with 3.5 - 4.5 L of water). Mix to a stiff paste in a suitable mixing vessel, using spiral paddle with slow speed of 400-500 rpm at least 1-3 mins until uniform consistency obtained.

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 & White	-
Pot Life @25°C, mins	25-40	-
Mixed density, g/cc	2.3 ±(0.1)	ASTM D1475
Compressive Strength @28 days, N/mm ²	> 63	EN 12190
Flexural Strength @28 days, N/mm ²	>10	EN 12190
Water / Powder Ratio	0.16	-
Hydrostatic Pressure @ 1.5 bar for 7 days	No water Penetration	EN 14891
Application Temperature, °C	5 to 35	-
Tensile Adhesion Strength N/mm ² ,	>1.25	EN 1542

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.

CLEANING

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

YIELD

CRES® CRETE FRM provides an yield of 13.8 L/25 Kg powder.

PLACING

CRES® CRETE FRM 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. It can be applied to a thickness of 40-50 mm in one single application if the ambient temperature is less than 25°C and the weather conditions are normal.

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

CRES® CRETE FRM is based on cement and thus can be irritating to the skin and eyes. Gloves and eye protection 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.

Product Disclaimer:

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. 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 ensure 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.