

# TechFin<sup>®</sup> CR 10-2C

Two Component Polymer Modified, Cementitious Fairing and Cosmetic Skim Mortar.

## Description:

**TechFin<sup>®</sup> CR 10-2C** is a pre-packed factory quality controlled, two component cementitious polymer modified blow hole filler and reprofiling mortar designed as a high quality repairing and finishing mortar for application upto 10mm. It also can be used as a skim coat prior to application of protective coatings.

**TechFin<sup>®</sup> CR 10-2C** is specially formulated to produce a shrinkage compensated mortar with no cracking when applied in a thin section. TechFin<sup>®</sup> CR 10-2C is composed of a blend of Portland cements, fibers, supplementary cementing materials, special chemical additives and modified by the addition of acrylic polymer liquid in a plastic container to produce highly consistent smooth, trowellable and shrinkage compensated mortar.

## Application Includes:

As a fairing and cosmetic mortar to cover surfaces defects such as honeycombing and blowholes to reach almost of fair face finish. Preparatory treatment to concrete to receive a thin film protective coating. As a uniform waterproofing & weatherproofing protective render up to 3 mm thickness for facing up masonry & block works. Preparing the concrete & masonry surfaces to receive protective or decorative paints over coat.

## Features & Benefits:

- Precision made, consistent results
- Pre-gauged liquid, no mixing water
- Shrinkage compensated
- Flexible
- Smooth, easy to finish
- Low permeability
- Excellent resistance to freeze/thaw and action and carbonation
- Reduced ingress of water borne salts
- Greater economy of applied coatings

## Application Instructions:

### Surface Preparation

Surfaces to receive **TechFin<sup>®</sup> CR 10-2C** should be sound, clean and uncontaminated. The surface should be mechanically prepared to remove laitance. The surface should not be contaminated with oil, grease or paint. Surfaces should be thoroughly soaked prior to application. Excess water should be removed prior to application of **TechFin<sup>®</sup> CR 10-2C**. Deep voids should be filled with the correct product from the **TechFin<sup>®</sup> range**.

### Mixing:

**TechFin<sup>®</sup> CR 10-2C** is formulated to produce an easily mixed mortar. A slow speed drill & paddle can be used or a forced action mixer. Add powder to liquid at a steady rate. Mix for approx 4 minutes. Part mixing can be done provided the ratio of 3:1 is observed.

### Application & Finishing

**TechFin<sup>®</sup> CR 10-2C** is applied by steel trowel. The finishing should be carried out with the minimum trowelling. A small amount of water can be applied to the surface to aid finishing. Leave the applied material for a short time before applying a final trowel.

### Curing:

Good curing practice is essential even though **TechFin<sup>®</sup> CR 10-2C** is specially formulated to prevent shrinkage and cracking. Particular care is required in hot and windy conditions. Curing may take place with a single coat of **TechnoFinish@ConKure101/102** range, which is compatible with most subsequent protective coatings.

## Typical Properties at 25°C

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Appearance                          | Free flowing powder               |
| Colour                              | Grey, white                       |
| Working life                        | 40 – 45 min                       |
| Setting Time                        | 60 – 70 min                       |
| Mixed density                       | 1.65 -1.75 g/cm <sup>3</sup>      |
| Flexural strength (ASTM C348)       | ≥ 3 MPa @ 28 days                 |
| Compressive strength (ASTM C109)    | ≥ 6 MPa @ 28 days                 |
| Mix proportions by volume           | 1 part Liquid : 3 parts of powder |
| Recommended application temperature | 10 to 35°C                        |

Note: All technical data stated herein is based on tests carried out under laboratory conditions.

## Packaging:

**TechFin® CR 10-2C** is supplied in 40 Kg composite Pack

- Powder Component: 30 kg bag
- Liquid Component: 10 kg container

## Storage & Shelf Life:

24 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 35°C.

## Coverage:

One unit of mixed **TechFin® CR 10-2C** will typically yield 24L of mortar

**Disclaimer:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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## Precautions/Limitations:

For high temperature application (above 35°C), it is recommended that the components to be stored in a cool place before the application. **TechFin® CR 10-2C** should not be used when the temperature is below 5°C and expected to fall. The applied area should be protected from any rains fall within 12 hours after the application. Any over coating finish should be done after 36 hours or after the layer is completely set. Deep voids should be filled with suitable repair products prior to the application of **TechFin® CR 10-2C**.

## Health & Safety Instructions:

As a powder containing Portland cement **TechFin® CR 10-2C** may cause irritation to skin or eyes. Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended. Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals. Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

**Additional Information:** Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

\*Separate datasheet are available on these products.

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