

# TechnoCrete™ CC

## Polymer Modified Cosmetic Repair Mortar

### PRODUCT DESCRIPTION

TechnoCrete™ CC is a single component polymer modified repair mortar for use as a "fairing coat" or cosmetic mortar. When mixed with water, as directed, a fine grey trowel able mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface. TechnoCrete™ CC can be used as a 'skim' coat prior to the application of protective coatings. TechnoCrete™ CC is specially formulated to produce a shrinkage compensating mortar with no cracking when applied in a thin section. Adhesion to concrete and flexibility are excellent.



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Infrastructure



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### TECHNICAL DATA

|                                   | Unit               | TechnoCrete™ CC |
|-----------------------------------|--------------------|-----------------|
| Chemical Base                     | -                  | Cement          |
| Fresh Mortar Density              | gr/cm <sup>3</sup> | 1.8             |
| compressive Strength<br>(28 days) | MPa                | >25             |
| Adhesion to concrete<br>(28 days) | MPa                | >3              |
| Pot Life (@21°C)                  | Min                | 30-45           |
| Initial Set (@21°C)               | Min                | 45-75           |
| Final Set (@21°C)                 | Min                | 60-120          |

### ADVANTAGES

- Precision made, consistent results
- Requires only the addition of mixing water
- Shrinkage compensating
- Excellent adhesion to concrete
- Flexible
- Low permeability
- Ingress of water borne salts, such as chloride and atmospheric / chemical attack
- Polymer modified

### TYPICAL USES

As a fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, defects caused by 'sand runs', patch repairs, shutter movement and grout loss.

- Preparatory treatment to concrete to receive a thin film protective coating.
- To produce a uniform surface over repaired areas.

### PACKAGING

TechnoCrete™ CC is packaged in 20 and 25 kg bags.

### MIXING

TechnoCrete™ CC is formulated to give an easily mixed material. For full bag quantities, it is preferable to mix the material in a Crete angle or similar forced action mixer.

Pour the dry mix gradually to a container with a sufficient amount of clean, cool water, mixing manually or using a low-speed mixer to produce homogenous, lump-free mass.

### INSTALLATION PROCEDURE

#### PREPARATION OF SUBSTRATE

It is essential that the surfaces to be bonded are sound, clean and uncontaminated. All loose powdering material must be removed. Concrete surfaces should be thoroughly soaked prior to application of TechnoCrete™ CC, to ensure a saturated, but surface dry condition.

#### APPLICATION

TechnoCrete™ CC should be applied to



the complete area with the minimum of trowelling. Leave for a short period before final troweling. Finishing may be aided by flicking a small amount of water onto the surface, using a paint brush before final troweling.

#### SURFACE FINISHING

All slight surface imperfections should be made good by the application of TechnoCrete™CC. Applications should be strictly in accordance with the manufacturer's instructions.

#### CAUTION

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

#### FAIRST AID

##### *Skin*

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

##### *Eyes*

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

##### *Inhalation*

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

##### *Ingestion*

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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