

Technical Data Sheet

Description

Tek-Crete CFC is a single component cementitious polymer modified specially formulated from selected cements, sand, admixtures and aggregates. Skim coat application for use in vertical, horizontal and overhead concrete surfaces.

Advantages

- Single component
- Polymer modified
- Non-toxic
- Interior & Exterior applications
- Can be overcoated

Uses

- Reinforced Concrete
- Pre-cast concrete panels
- Fairing coat

Physical Properties*

PROPERTY	TYPICAL RESULTS
Compressive strength	>35 MPa – at 28 days
Flexural Strength	>5 MPa – at 28 days
Water absorption	<0.006 ml/m ² /sec after 2 hours
*The above properties are average laboratory values	

Packing

Tek-Crete CFC is available in 20 kg bag.

Coverage/yield

Approximately 14.4 liters when mixed with 5.2-5.6 liters of clean water for 20 kg bag.

Theoretical coverage rate for one bag of 20 kg would be 7.2m² at 2mm thick

Shelf Life

12 months when stored in factory packed unopened bag, stored in a cool dry and elevated place away from direct sunlight.

Application Properties

Application temperature	5°C to 40°C
Minimum thickness	1mm
Maximum thickness	4mm
Maximum temp. of mixed product	30°C
Application time	30 minutes at 20°C 15 minutes at 35°C

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Surface Preparation

Substrates must be structurally sound. Loose or unsound substrate should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding.

The substrate must be primed using clean water to achieve a saturated surface dry prior to application.

Protection of reinforcement steel bars

Remove all corrosion deposits from the exposed reinforcement steel bars.

For protection against corrosion, coat the reinforcement steel bars with **Tek-Prime ZR**.

Priming

The substrate must be primed using clean water prior to application.

Mixing

Tek-Crete CFC is supplied as a single component cementitious product. Pour 5.2 to 5.6 liter of clean water into suitable clean container and slowly add the product while mixing with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve right smooth consistency.

Application

The mixed material should be applied immediately. The material should be applied using steel trowel to the required thickness; wait till applied material partially stiffen, then finish using trowel to achieve level dense surface. Do not use water to finish the surface.

Curing

Tek-Crete CFC does not require any curing

Precautions

Do not add additional water or re-temper the mix.

Ensure the temperature of the filler does not exceed 35°C at the time of mixing.

Do not mix by hand.

Do not part mix, use full bag.

Do not apply in rain or wet conditions or at temperature below 5°C.

Do not expose to running water until the product is fully cured for 7 days.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae

www.spraytek-me.com