



## Technical Data Sheet

### Description

**Tek-Crete CR** is a single component high polymer non-shrink high strength cementitious crack repair mortar formulated from selected cements, sand, admixtures and aggregates. It is ideal for both internal & external use.

### Advantages

- Single component
- Non-shrink
- High strength
- Vertical & Horizontal substrates
- Suited for Internal & External applications

### Uses

- Plaster crack repairs

### Physical Properties\*

PROPERTY	TYPICAL RESULTS
Compressive strength	>18 MPa @ 28 days
Flexural Strength	>6 MPa @ 28 days
Bulk density	1.9
Repair Crack Width	1mm to 20mm
Bond strength	Greater than concrete tensile strength
*The above properties are average laboratory values	

### Standard Compliance

ASTM C 387  
BS 5262:4551

### Packing

**Tek-Crete CR** is available in 20 kg bag.

### Theoretical Coverage/yield

Approximately 15 liters when mixed with 7.5-8.0 liters of clean water for 20 kg bag.

### Shelf Life

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

### 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

Substrate 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 cracked substrate must be prepared to create a 'key' for bonding with a 'V' cut.

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

### Priming

The substrate must be primed using clean water and not allowed to dry out, prior to application.

### Mixing

**Tek-Crete CR** is supplied as a single component cementitious product. Pour 7.5 to 8.0 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 to ensure thorough compaction in to the 'V' cut cracked areas and against the edges of the reinstatement area. The repair is then finished by trowel.

## Precautions

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

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

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

## 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](http://www.spraytek-me.com)