

Technical Data Sheet

Description

Tek-Crete TRM is a single component cementitious polymer modified thin rendering mortar, specially formulated from blended cements, sand, acrylic polymers and graded sands. It is used for horizontal, vertical and overhead applications.

Advantages

- Single component
- Polymer modified
- Non-toxic
- Especially suited for hot weather applications
- Can be over-coated

Uses

- Filling of minor cracks and blow holes
- Thin rendering mortar
- Base coat for decorative finishes and coatings

Physical Properties*

Property	Typical Results
Compressive strength	>35 MPa @ 28 days
Flexural Strength	>5 MPa @ 28 days
Water absorption	<0.006 ml/m ² /sec after 2 hours
Bond strength	Greater than concrete tensile strength
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Packing

Tek-Crete TRM is available in 25 kg bag.

Theoretical Coverage/yield

Approximately 17.5 liters when mixed with 6.6 - 7 liters of clean water for 25 kg bag.

Application properties

Application temperature	5 to 40°C
Min. application thickness	2 mm
Max. application thickness	10 mm
Max. temp. of mixed mortar	30°C
Application time	30 minutes at 20°C
	15 minutes at 35°C

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

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

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 and not allowed to dry out, prior to application.

Mixing

Tek-Crete TRM is supplied as a single component cementitious product. Pour 6.6 to 7 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 after mixing. Apply using a steel trowel to the required thickness; allow partially stiffening, and then finishing using a trowel to achieve a uniform dense surface. Do not use water to finish the surface.

Curing

Curing shall be done by **Tek-Cure AR** or **Tek-Cure WB** or by wet hessian, which normal concrete curing method; the repaired areas should be protected immediately.

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 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.

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