

# Tek-Prufe CF

Two component cementitious flexible waterproof coating



## Technical Data Sheet

### Description

**Tek-Prufe CF** is a two component cementitious flexible waterproof coating for concrete and masonry surfaces.

### Advantages

- Waterproof
- Flexible
- Resistant to micro-cracking
- Interior & exterior use
- Easy application
- Non-toxic
- Can be applied on 24 hours old concrete surfaces

### Uses

- Potable water tank coating
- Wet area waterproofing
- Swimming pools
- Waterproofing of porous natural stone/tile
- Lift pits waterproofing

### Physical Properties\*

PROPERTY	TYPICAL RESULTS
Elongation	>100%
Tensile Strength	>1.5 MPa
Crack bridging	2.1mm
Water permeability	100% resistance to water penetration
Shear strength	>3 MPa
Bond strength	>1.8 MPa
Non toxicity – BS 6920 : 2000	Passed
*The above properties are average laboratory values	

### Standards Compliance

- BS 6920

### Packing

**Tek-Prufe CF** is available in 20 kg kit.

### Theoretical Coverage Rate

Areas of Application	Kg/m <sup>2</sup>
All wet areas	1 to 2 kg
Water tanks	2 to 3 kg
Swimming Pools	3 kg
The above mentioned consumption rates are depending upon the substrate.	

### Shelf Life

12 months is when stored in factory packed unopened kit in a cool dry and elevated place away from direct sunlight excess humidity and at a temperature not more than 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. Waterproof coatings should only be applied by experienced application team.

### 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. The substrate must be prepared to create a 'key' for bonding. Any blow holes or cracks should be filled with **Tek-Crete FR** repair mortar.

All construction and expansion movement joints should be continued through the coating using an appropriate joint detail system. The substrate must be primed using clean water to achieve a saturated surface dry prior to application.

## Mixing

**Tek-Prufe CF** is supplied as a two component kit consisting of powder (Part A) and liquid polymer (Part B). Pour the liquid polymer (Part B) into suitable clean container and slowly add powder (Part A) while mixing with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3 minutes to achieve plastic consistency.

## Application

The mixed material should be applied using brush or roller. First coat to be applied at 1-1.5 kg/m<sup>2</sup>. Apply second coat once the coat beneath has dried. Apply the second coat cross-wise at the rate of 1-1.5 kg/m<sup>2</sup>.

For all the substrates showing evidence of micro-cracking or which are likely to be subject to movement (water towers, structure exposed to thermal shock), the coating should be reinforced embedding in first coat using **Tek-Matt RM**.

Do not add water to the mixed product. In all corners and penetration areas, make 45% wedge using **Tek-Crete FR** with reinforcement mesh using **Tek-Matt RM**.

## 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 kit.

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

**Tek-Prufe CF** to be protected against abrasion in High-traffic areas.

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. Ensure the container is available for the medical attendant to examine for any relevant instructions and content details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling.

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