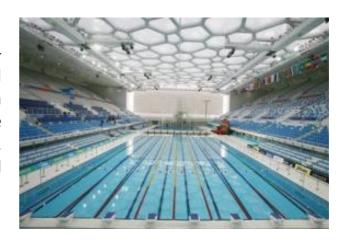
## **TufCote CW**

**Cementitious Waterproofing Coating** 

202402

# **DESCRIPTION**

TufCote CW comprises a two-component acrylic polymer modified cementitious coating supplied in ready to mix kits. TufCote CW can be simply applied by stiff brush, roller, spray, or trowel to obtain the desired texture. It is available in grey.



#### **USES**

- Used as a waterproof coating for water tanks and reservoirs.
- Used as a flexible coating to bridge shrinkage cracks.
- Suitable to protect other cementitious substrates and masonry for new and existing structures.
- Used for reprofiling concrete and masonry surfaces.
- Toilet
- Lift Pit
- Swimming pool

## **SPECIFICATION COMPLIANCE**

- BS 6920: Part 1:1988
- ASTM C 29
- ASTM D 638-02a

#### **ADVANTAGE**

- Waterproof suitable for water retaining structures.
- To provide foundation protection.
- As a waterproof coating for roofs.
- Impervious lining for water retaining structures.
- As a backing to marble and granite to prevent water ingress and thus alleviate surface staining.
- Protection of concrete from seawater ingress.
- Coating to prevent chloride ion ingress & carbonation attack.
- Excellent adhesion. Bonds to porous and non-porous surfaces.
- Allows water vapour to escape form the structure.
- Non-toxic and therefore suitable for contact with potable water.

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## **PHYSICAL & MECHANICAL PROPERTIES**

<b>Property</b>	<b>Typical Results</b>
Density	1675 kg/m³
Potability	Potable
Turbidity	< 1.0 NTU
Elongation%	85
Resists positive	Satisfactory
hydrostatic pressure	
Dry film thickness	2 mm
Component	Two component, cementitious coating - Powder and Liquid
Water penetration test at	No penetration observed -
5 bars (50mm height) 72 hours	Satisfactory
Crack bridging: min. 2mm	No sign of crack, loss of adhesion observed
Adhesion to substrate	> 1.0 Mpa
Toxicity	Non Toxic
Pull off strength by compatibility of SBR modified c/s render on the waterproofing membrane on concrete panel test method	> 1.0 Mpa
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## **APPLICATION INSTRUCTIONS**

**Surface Preparation**: Ensure that surfaces to be treated are free of dust, dirt, grease, oil and other foreign matter. Cut back spalled concrete until sound and make good with suitable repair mortars.

If repairs have been carried out cure with water or suitable curing agents. On old concrete, remove all traces of conventional curing compounds and surface sealers prior to application.

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Mixing: TufCote CW is supplied as Part A and Part B. Using a clean container, slowly add the powder to the liquid component and mix with a slow speed drill fitted with a suitable mixing paddle. To achieve the required consistency and brush ability add minimum quantity of full water. Mixing units recommended, however where required part units may be mixed providing close attention is paid to mixing ratios. Part units may be filling surface required for imperfections prior to coating the concrete.

Application: Thoroughly dampen down the concrete surface with clean water prior to application ideal conditions are saturated surface dry (SSD). Do not apply to dry concrete. Whilst damp, apply TufCote CW with a bristle brush or roller at the rate of 1.8 kg/ m<sup>2</sup>. This is achievable in one coat will ensure even coverage and remove pin holing. On vertical or vertical or overhead surfaces, two coats are required, the previous coat should be allowed to dry prior to subsequent applications.



Spray application may be suitable for larger areas; airless spray should be used with 3-4mm nozzle sizes at 6-8 bar pressure. Trials should be conducted to finalize the best method for application. Ensure continuous supply of product when adopting this method. Equipment should be thoroughly cleaned immediately after use with Hardened coating may only be removed mechanically.

At up stands and across joints, it is recommended that a geotextile mesh be imbedded in the coating. This will increase the physical properties and will aid distribution of localized stresses. The mesh should be applied as a sandwich between the first and second coats of TufCote CW.

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As TufCote CW is moisture tolerant, it can be applied onto concrete that is only 24 hours old thereby giving immediate protection and curing. Where heavy depressions, cracks or blowholes are present, reduce the amount of gauging liquid in the mix to the desired consistency and carry out re-profiling. When used in tanking applications allow the coating to cure fully for 72 hours prior water testing.

## **PACKAGING**

20 kg pack.

### **C**OVERAGE

Approximately 1.8 kg/ m<sup>2</sup> @ 1mm thickness per coat and two coats required.





## **S**TORAGE

It has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

## **HEALTH & SAFETY**

TufCote CW does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to be come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical swallowed advice. seek medical attention immediately - do not induce vomiting.

### Please enquire about our range of construction product

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