



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 from the structure.
- Non-toxic and therefore suitable for contact with potable water.

PHYSICAL & MECHANICAL PROPERTIES

<u>Property</u>	<u>Typical Results</u>
Density	1675 kg/m ³
Potability	Potable
Turbidity	< 1.0 NTU
Elongation%	85
Resists positive hydrostatic pressure	Satisfactory
Dry film thickness	2 mm
Component	Two component, cementitious coating - Powder and Liquid
Water penetration test at 5 bars (50mm height) 72 hours	No penetration observed - 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
Pull off strength by compatibility of c/s render on the waterproofing membrane on concrete panel test method	> 1.0 Mpa

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.

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 water. Mixing full units is recommended, however where required part units may be mixed providing close attention is paid to mixing ratios. Part units may be required for filling surface 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^2 . This is achievable in one coat will ensure even coverage and remove pin holing. On 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 mixed product when adopting this method. Equipment should be thoroughly cleaned immediately after use with water. 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.

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.

COVERAGE

Approximately 1.8 kg/ m² @ 1mm thickness per coat and two coats required.



STORAGE

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 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 advice. If swallowed seek medical attention immediately – do not induce vomiting.

Please enquire about our range of construction product

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability for final function at the job site is assumed. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. No responsibility or Liability by the Company will be accepted for misuse, misreading or derivation from the recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in this brochure may change at any time without notice.