



TufCote CT 200

Solvent Free Coal Tar Epoxy Coating

202402

DESCRIPTION

TufCote CT 200 is based on solvent free epoxy resins, modified with coal tar. It is supplied as a two-pack material in pre-weighted quantities ready for on-site mixing and use. TufCote CT 200 is supplied as two coat application. It is generally applied at a wet film thickness of 200 microns per coat, but can be applied at greater thickness to suit exposure conditions.

USES

- Provides chemical and abrasion resistance to prevent corrosion of concrete surfaces for application such as
- Sea water tanks, channels and intakes
- Manhole linings
- Sewage works and effluent plants
- Chemical processing
- Foundation waterproofing
- Jetties, piers and docks
- Pipe coating

SPECIFICATION COMPLIANCE

- ASTM D543
 - BS 1881 part 207
- BSEN 12390 part 8:2000



ADVANTAGES

- Excellent chemical and abrasion resistance
- Low cost service life
- Does not support bacterial growth
- Acts as an impermeable waterproofing coating
- No primer required
- Can be applied to green concrete by brush, roller or spray



PHYSICAL & MECHANICAL PROPERTIES

Property	Typical Results
Color of Part A	Clear liquid
Color of Part B	Black viscous liquid
Final color	Black
Wet film thickness	200 microns per coat (2 coats are required)
Dry film thickness	200 microns per coat (2 coats are required)
Mixed density	1.35 gm/cc
Bond strength	3 N/mm ²
Water permeability	Nil
Pot life	75 min
Tack free time	3 hours
Over coating time	6 hours
Complete cure	7 hours

APPLICATION INSTRUCTIONS

Surface preparation: The concrete to be treated must be free from dust, loosely adhered material and plaster and cement droppings, grease oil and paints etc. On old concrete ensure the substrate is structurally sound prior to application. Surface laitance will affect the adhesion of the coating, it is therefore recommended to grift blast all surfaces prior to application. Surface imperfections must be made good prior to applications.

Mixing: TufCote CT 200 is applied in two pre-weighted units consisting of Part A & Part B. The entire contents of Part A & Part B must be thoroughly mixed in their separate tins prior to mixing together. A slow speed drill with an appropriate mixing paddle is recommended. Mixing should continue until an even color and consistency is

achieved. It is not recommended to spilt pack sizes, as consistency is achieved. It is not recommended to spilt pack sizes, as performance cannot be assured. Although TufCote CT 200 is a non-solvent product, it is still recommended that mixing should be place in a well-ventilated area.



Application: TufCote CT 200 should be applied by airless spray, brush or lamb's wool roller. Airless spray is the preferred method to accurately dry film thickness. Airless spray will also provide the greatest production rates and minimum wastage especially when large areas are to be coated. Application should be closely monitored to ensure an even pin hole free surface with complete background coverage. A minimum of 2 coat application is generally recommended. The first coat is applied to achieve a uniform coating with a wet film thickness not less than 200 microns. If the concrete surface is poor, consumption will be increased in the first coat. The second coat should be applied between 6 and 2 days after application of first coat achieving a wet film thickness not less than 200 microns.

Repairing and over coating: Any application of TufCote CT 200 which have become damaged can be readily over coated. The existing surface should well abrade using a stiff wire brush or similar to ensure that a good mechanical bond will be achieved between the two layers. Over coating works can then proceed as for new work, always ensuring that the prepared substrate is free from any moisture.

Watch point:

1. TufCote CT 200 should not be applied over other existing coatings, but can be applied on top of itself
2. In contact with moisture or high humidity during cure, the color of the coating will change to brown.

PACKAGING

20 liter pack

COVERAGE

50 m² per pack for 2 coats

HEALTH & SAFETY

TufCote CT 200 does not fall in to the hazard classifications of current regulations. However, it should 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 vomit.

STORAGE

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

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