



TufCote NT

Non Toxic, Epoxy Resin Coating for Potable Water Applications

Uses

Provides chemical and abrasion resistance to prevent corrosion of concrete surfaces for applications such as:

- Water tanks
- Sea water tanks, channels and intakes
- Manhole and pipe linings
- Sewage works and effluent plants
- Chemical processing
- Foundation water proofing
- Jetties, piers and docks

Typical Applications & Advantages

- Non toxic, solvent-free, does not support algae growth.
- Suitable for potable water applications.
- Excellent chemical resistance for aggressive applications.
- Tough, durable and resilient protective coating.
- Good flexibility in the dried film.
- Excellent resistance to sewage, seawater and solvents.
- Suitable for multi-layer application, readily applied by spray, roller or brush
- Suitable for new and old concrete.
- Concrete and steel potable water tanks and pipe work.
- Wall and floor coating in kitchens, dairies, breweries and bottling plants.
- As a protective coating in contact with aggressive media such acids, alkalis & sewage.

Standards Compliance

TufCote NT complies with the requirements of the following standards:

ASTM D4138-88

ASTM C267-01

BS 6920: 1988

Product Description

TufCote NT is a solvent free; high build epoxy resin coating based on epoxy resins with high molecular weight. A non-toxic coating that is designed for use in potable water applications and in areas used for food preparation.

TufCote NT has excellent adhesion to concrete and steel substrates. The coating provides excellent chemical resistance and will not support the growth of bacterial algae. When cured, TufCote NT is non-toxic and suitable for use in water applications.

Typical Properties

Aspect of Comp A	: Grey/White viscous Liquid
Aspect of comp B	: Brown liquid
Mixed density @ 30°C	: 1.50 gm/cc
Solids content	: 100 %
Pot life @ 30°C	: 2 hours
Potability	: Potable
Dry film thickness	: 400 micron
Full cure	: 7 days @ 25°C

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

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. Pinholes and voids must be filled with either **TufBuild SNF** or **TufBuild FC** prior to application. Steel surfaces should be grit blasted.

Mixing: TufCote NT is supplied as Part A and Part B in pre weight units. The entire contents of Part A and Part B must be thoroughly mixed together before use. A slow speed drill with mixing paddle is recommended for this application. Mixing should continue until an even colour and consistency is achieved. Pack sizes should never be part mixed, as performance cannot be assured.

Application: TufCote NT should be applied by airless spray, rollers or brush. Airless spray is the preferred method to accurately obtain the required DFT. Airless spray will also provide the greatest production rates and minimum wastage.





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Application should be closely monitored to ensure an even pin hole free surface with complete, even background coverage. The first coat must be inspected for pinholes; if present they must be filled with **TufBuild SNF**. The second coat should be applied at right angles to the first. This must be carried out within 4-7 hours of the first coat being applied. This over-coating period is required to ensure excellent inter-coat adhesion. A minimum of 2 coats is recommended.

Where static cracks exist in old concrete, a glass fibre reinforcing mesh (typically 110b/m²) should be laid between the first and second coats. The mesh should be laid in the first coat whilst wet and should be thoroughly impregnated with resin.

Watch points

- The product is designed to be used in non-decorative applications. The coating is not colour stable and will yellow with exposure to sunlight. This does not affect the performance properties of the product in any way.
- Inter-coat adhesion can only be assured if the second coat is applied between 4-7 hours at 25°C.

Coverage

Coverage rates vary according to the porosity and texture of the concrete to be treated. Higher coverage rates will be achieved on steel substrates. Typically a coverage rate of 5 m²/litre/coat can be expected.

Packaging & Storage

TufCote NT is supplied in 4 litre units and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufCote NT 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.

For further information refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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**Gulf International
Chemicals SAOG**

HEAD OFFICE

P.O.BOX 132,
PC 124, Rusayl
Sultanate of Oman
Tel: +968 24446800
Fax: +968 24446808

**Gulf International
Chemicals**

REGIONAL OFFICE

P.O BOX: 98175,
DUBAI,
UAE
Tel: +971 4 2583221
Fax: +971 4 2583220



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www.gicomman.com