

Technical Data Sheet

Emer-Tan

Tannin phosphate, rust-converter for corroding metal, pre-painting treatment

USES

The versatility of Emer-Tan application makes it suitable for small or large surfaces, inaccessible areas or wherever rust is present. As a surface pre-treatment for rusted structural steel, machinery, gates, railings, marine fittings, motor vehicle floors and all rusted surfaces where the complete removal of rust is not feasible or economical.

Steel surfaces treated with Emer-Tan can also be welded, coated, galvanised or chromed.

DESCRIPTION

Emer-Tan is a synergistic blend of tannin, phosphoric acid and selected surface active agents which produces a safe and extremely effective rust passivation coating, to halt corrosion.

Emer-Tan Rust Converter has a three fold action:

- 1) Displaces all moisture from the rusted surface,
- 2) Penetrates into all crevices, and
- 3) Converts the rusty layers into a stable Iron Tannate Phosphate complex.

TECHNICAL SUPPORT

Parchem offers a comprehensive range of high performance, high quality products suitable for use in the protection and repair of steelwork and concrete. In addition, the company offers a technical support package to specifiers, end users and contractors, as well as on-site assistance.

PROPERTIES

| | |
|----------------------|-----------------|
| Colour: | Brown |
| Finish: | Flat blue/black |
| Drying times: | (25°C, 50% RH) |
| - Re-coat: | 4 - 6 hours |

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All surfaces to be cleaned free of dirt, grease, oil or other contamination prior to the application of Emer-Tan. If necessary, remove all surface grease or oil with a detergent, and then rinse surface with cold fresh water before applying Emer-Tan.

Steel surfaces to be hand or power tool cleaned to remove all loose scale, flaky rust or other contamination. On heavily corroded areas needle gun or similar method may be necessary to remove heavy rust build prior to hand cleaning.

Prepainted surfaces to be scraped and sanded to remove any loosely adhering coatings and feathered back to a firmly adhering edge.

APPLICATION

Emer-Tan may be applied by brush, roller, spray or dipping. It can be applied to moist steel surfaces and in high humidity conditions. In high temperatures, it is advisable to wet the surface and then apply Emer-Tan whilst still damp.

Apply a liberal coat of Emer-Tan to the rusted areas and allow 4 - 6 hours for the conversion of the rust to an Iron Tannate Phosphate to occur. Where possible wet the treated surfaces again with water to aid the Emer-Tan penetration and conversion rate, leave until surface turns blue/black for the conversion to be fully complete in approximately 24 hours.

Prior to coating and in any event, within 48 hours of conversion, before any surface contamination occurs, wipe off any loose powdery deposits with clean dry cloths, then prime immediately with Emer-Gard Primer Type 2.

Note: Emer-Tan contains acid. Store in plastic, rubber lined, glass or stainless steel containers. Rubber gloves are recommended for extended use.

CLEANING

Emer-Tan should be removed from tools and equipment with water immediately after use.

ESTIMATING

SUPPLY

Emer-Tan: 1, 4 and 20 litre pails

COVERAGE

Emer-Tan: 15 - 20 m² per litre

The coverage figures are theoretical – due to wastage factors and the variety and nature of possible substrates, practical coverage figures may be reduced.

STORAGE

SHELF LIFE

Emer-Tan has a shelf life of 12 months if kept in a dry store between 5°C and 30°C in the original, unopened containers.

ADDITIONAL INFORMATION

Parchem provides a wide range of complementary products which include:

- concrete repair – cementitious and epoxy
- grouts and anchors – cementitious and epoxy
- waterproofing membranes – liquid applied, cementitious and bituminous sheet membranes
- waterstops – pvc and swellable
- joint sealants – building, civil and chemical resistant
- industrial flooring systems – cementitious and epoxy
- architectural coatings
- filler boards – swellable cork, bituminous and backing rod
- ancillary products

For further information on any of the above, please consult with your local Parchem sales office.

IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.