

Technical Data Sheet

Emer-Clean

General purpose, phosphoric acid based metal cleaner

USES

As a surface pre-treatment for aluminium, zincalume and galvanised iron roofs and gutters, sheet metal work, railings etc.

To remove surface "bloom rust" from abrasive blast cleaned steelwork.

For the removal of verdigris contamination from brass and copper, and the removal of oxidation products from gel-coated boats, caravans etc.

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

For application in special conditions, consult the manufacturer for detailed information.

ADVANTAGES

- Treated surfaces can be welded, coated, galvanised or chromed
- Ideal for preparing new galvanised surfaces for painting
- Results in a flat grey finish

DESCRIPTION

Emer-Clean is a solution of phosphoric acid, solvent and surfactant which will remove surface rust and leave a phosphate film on steel.

Emer-Clean cleans and etches aluminium, zincalume and galvanised metal surfaces and removes oxidation products and verdigris from brass and copper.

Emer-Clean is safe to use as a cleaner over previously painted surfaces and will remove oxidation products from gel-coated surfaces.

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

Volume solids: 15%

Drying times (25°C, 50% RH)

- Re-coat: 30 minutes

Finish: Flat grey phosphate film

MAINTENANCE

No special requirements. Any damage identified during normal inspections should be repaired or replaced as appropriate.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All surfaces to be cleaned free of dirt, grease, oil or other contamination prior to the application of Emer-Clean.

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.

Previously painted surfaces to be thoroughly sanded and all damaged edges feathered back into the remaining sound coating.

APPLICATION

Emer-Clean may be applied by two simple methods:

Wipe On - Rinse Off: Mix one part Emer-Clean with two parts fresh, clean water.

Apply liberally to the surface by brush, scouring pad or cloth and allow to react for several minutes. Rinse with fresh water or wipe off with clean wet cloths - removal of residues to be undertaken before the Emer-Clean solution has completely dried.

Immersion (for process work): Dilute one part Emer-Clean with one part fresh, clean water. Immerse all surfaces to be treated and allow to stand for 15-30 minutes before rinsing with fresh clean hot water or wipe dry.

All metal surfaces etched with Emer-Clean to be coated within 24 hours of the application, and in any event prior to any surface contamination occurring.

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

CLEANING

Tools and equipment should be cleaned with water immediately after use.

ESTIMATING

SUPPLY

Emer-Clean: 1 litre

COVERAGE

Emer-Clean: 15 - 20 m² / litre / coat

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

All products have a shelf life of 12 months is kept in a dry, cool storage area.

Store in dry conditions at temperatures between 5°C and 30°C in the original, unopened containers. If stored at high temperatures, the shelf life may be reduced.

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.