

# Technical Data Sheet

## Emer-Bond

### Waterborne, anti-corrosive primer

#### USES

For fabrication and maintenance work generally. Suitable as a shop primer due to its quick drying, outstanding adhesion, good resistance to corrosion and the absence of health and fire hazards. For application in special conditions, consult Parchem for detailed information.

#### DESCRIPTION

Emer-Bond is a water based vinyl acrylic anti-corrosive primer offering outstanding protection against corrosion which is enhanced by its low permeability to water and air. Emer-Bond is quick drying, can be applied under conditions of high humidity and designed to be overcoated with water based coatings. Emer-Bond is an ideal priming/bond coat for galvanised iron, zincalume or other non-ferrous surfaces as well as steelwork.

#### PROPERTIES

<b>Colour:</b>	Red oxide
<b>Finish:</b>	Matt
<b>Vehicle:</b>	Vinyl acrylic co-polymer
<b>Mixing ratio:</b>	Single component
<b>Volume solids:</b>	40%
<b>Recommended thickness (per coat)</b>	
Wet film:	75 microns
Dry film:	30 microns
<b>Coverage:</b>	13.3 m <sup>2</sup> /litre
<b>Application method:</b>	Brush, roller, spray or dipping
<b>Drying times:</b>	(25°C, 50% RH)
- Touch dry:	30 minutes
- Re-coat:	2 hours
- Hard:	7 days
<b>Thinners:</b>	Water

#### 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.

#### APPLICATION INSTRUCTIONS

##### SURFACE PREPARATION

Before using Emer-Bond, it is important to ensure that the surface to which it is to be applied is clean, dry and free from rust, scale, dust and any loose material. All contaminants such as oil, grease, fungi, or any surface laitance must be removed to ensure adequate development of bond when the coating is applied.

For optimum performance steel surfaces to be abrasive blast cleaned in accordance with AS16274 Class 2. Alternatively surfaces to be hand or power tool cleaned, these should be carried out with care to ensure surfaces are not burnished. For heavily corroded areas needle gun or similar method may be necessary prior to hand cleaning, treat any remaining rust with Emer-Tan, prior to application of the Emer-Bond. Non ferrous metals to be cleaned and etched with Emer-Clean.

##### APPLICATION

Emer-Bond may be applied by brush, roller or dipping. For spray application up to 15% thinning with fresh, clean water may be necessary. It has sufficient conductivity to allow application by electrostatic spray. The primer will be touch dry in approximately 30 minutes and may be overcoated after 2 hours drying with waterborne finishes under normal conditions. This can be assessed at the time of application and is influenced by ambient temperature and type of surface treated.

Note: do not apply at temperatures below or may fall below 10°C during the drying period.

## ESTIMATING

### SUPPLY

**Emer-Bond:** 1, 4 and 15 litres

### COVERAGE

**Emer-Bond:** 13.3 m<sup>2</sup> / 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-Bond 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.