

# **PHOENIX PAINTS PTY LTD**

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*Manufacturers of Quality Paints and Protective Coatings*

## **PRODUCT INFORMATION SHEET**

### **"METALFIX"**

#### **(Primer)**

#### **(A) DESCRIPTION:**

METALFIX is a single pack water-based rust-converting etch primer which is designed for application onto rusted surfaces to form a non-toxic film. The product converts the rust layer into a metal phosphate and simultaneously cures into a tough abrasion-resistant skin which is impervious to further rusting. The coating will operate from minus 40 degrees Centigrade to over 1000 degrees Centigrade, and, if required, may be overcoated with any other top coat, whether oil or water based.

#### **(B) MAIN BENEFITS:**

Non-toxic in the dry state, can be brushed, sprayed or rolled, and no solvents are required (water clean up). May be used safely in confined spaces. No sandblasting is necessary, the paint has a quick recoating time, and the resulting paint film is highly fire retardant (See Test Certificates for **A.S. 1530.3** simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release).

#### **(C) METHOD OF APPLICATION:**

Remove any flaking or thick rust using a hand wire brush, but leave behind the layer of rust directly attached to the underlying steel. Remove any oil or grease contamination with undiluted Phoenix "FLOORPREP", and wash the surface with a 10% FLOORPREP solution, rinse off with clean water and allow to dry. Apply the METALFIX using a Brush, Roller, or Spray (airless or conventional). When spraying, reduce the yield stress in the paint by stirring with a high speed stirrer (e.g. a mixing blade in an electric drill) which lowers the viscosity to that of a conventional paint. If the paint is cold, warm to at least 25 degrees Centigrade by immersing the container in hot water and stirring occasionally. Use large tip size and try to avoid adding water, although this may be added sparingly (e.g. 2 - 3%) to improve the paint flow. For surfaces which exhibit both severe and light rusting, after the preparation outlined above, apply the METALFIX over the areas of severe rust, and after allowing the paint to fully dry and cure, apply a coat of METALFIX 1000 over the entire surface. Do not apply METALFIX over lightly or non-rusted surfaces, since the paint will attack the steelwork and this can lead to rust staining through the final paint film.

**(D) PHYSICAL PROPERTIES:**

Pot Life: Not applicable  
Specific Gravity: 1.40  
Colour/Appearance: Ferric Red/High viscosity paint — matt finish  
Pack Sizes: 1 Litre, 5 Litre, 10 Litre, 200 Litre.  
Volume Solids: 45%  
Theoretical spreading rate: Seven (7) square metres per litre (@ 60 microns Dry Film Thickness per coat).  
Recommended Wet Film Thickness: 135 microns/coat (minimum 2 coats)  
Drying Times: (based on 25 degrees Centigrade, in direct Sunlight, low humidity):  
Touch Dry: 15 Mins    Hard Dry: 90 Mins    Cured: 24 hrs for single pack  
48 hrs for 2 pack top coats  
Clean up: Water  
Flash Point: Nil (not applicable)

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