



Endura Paint Pty Ltd
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METALFIX 1000

Etch Primer

Product Information Sheet (PIS)

Product Description

METALFIX 1000 is a single pack, water-based rust inhibiting etch primer. It is designed for application over new or weathered aluminium, steel, galvanized steel, plastic, or timber and has a slight rust converting action that can be used over lightly rusted steel work.

Product Features:

- Can be applied over a variety of surfaces with no sandblasting required.
- Coating is functional in high temperature situations¹.
- Minimum preparation required and takes any topcoat.
- Dual action protection
- Range of colours¹

¹The 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)

²**METALFIX 1000** is offered in ferric red, black, light grey and white. Ferric red is the highest performance version and should be used in all circumstances wherever possible, especially in hostile environments. The black has slightly better high temperature performance, and the white is most suitable for interior and low duty applications.

Product Benefits

METALFIX 1000 offers these additional impressive characteristics:

No Sandblasting required	Can be applied by brush, roll or spray
Safe for use in confined spaces	No highly dangerous solvents - Non-flammable
Quick overcoating time	Water clean-up

Product Characteristics

Specific Gravity	1.42 ± 0.20
Volume Solids	42% ± 2%
Colours	Red (1009), White (1013), Light Grey (1018), Black (1019)
Coverage rates	Apply one coat at a rate of approximately 7m ² /litre
Shelf Life	Maximum 10 years (stored in cool, dry, dark conditions)

Surface Preparation

Any oil or grease contamination should be removed with undiluted FLOORPREP 100, followed by a rinse with clean water then allow the surface to dry. Remove any flaking or thick rust using a hand wire brush, leaving behind the layer of rust directly attached to the underlying steel.

Mixing

Stir the METALFIX 1000 carefully before use, using either an electric or handheld stirrer. If the product has been stored a long time or appears thick, DO NOT add water. Use an electric mixer to mix thoroughly and thin out the material. This will be necessary for spray application.

Application

STEEL (Including lightly rusted), WEATHERED ALUMINUM, GALVANIZED STEEL.

1. Apply the METALFIX 1000 using a Brush, Roller, or Spray (airless or conventional).
2. For surfaces which exhibit both severe and light rusting, after the preparation outlined above, apply METALFIX over the areas of severe rust. After allowing to fully dry and cure, apply a coat of METALFIX 1000 over the entire surface.
3. For bad rust, apply the METALFIX in one thick coating, at a spread rate of approximately 3-4 m² per litre.



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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. Use large tip size and avoid adding water.

Do not apply METALFIX 1000 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.

IMPORTANT NOTE: It is not recommended to apply **METALFIX 1000** if the temperature is below 12°C or above 30°C. During extremes of hot weather, apply the coating early in the morning, having cleaned and prepared the surface previously. During cold weather, all Phoenix Paints products must be warmed to 25° to 30°C before the coatings are applied. This can be achieved by immersing the container in hot water and stirring occasionally.

If any Phoenix Paints product is being used in conjunction with any other paint or coatings brand, we strongly advise to carry out a test patch first to ensure that no adverse reaction occurs.

Drying/Curing

	25°C 50% RH
Touch Dry	15 minutes
To Recoat (With METALFIX)	1.5-2.0 hours
To Recoat (Single Pack Topcoat)	24 hours
To Recoat (Two Pack Topcoat)	48 hours

Clean-Up

Wash all equipment immediately after use with clean water. Do not allow the coating to set hard on any items.

Ordering Information

METALFIX 1000 is available in the following package sizes: 1 Litre, 5 Litre, 10 Litre and 200 Litre.

Storage

Keep product frost-free and protect from freezing. **DO NOT** store any Phoenix Paints products in work vehicles or vans – the temperatures inside may affect the formulations.

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS can be requested by email at admin@endurapaint.com.au or on our website at www.phoenixpaints.com.au.