



Address: 8 Manburgh Terrace
Darra Qld. 4076
Postal Address: P.O. Box 3045
Darra Qld. 4076
Phone: +61 (7) 3375 3199
Facsimile: +61 (7) 3375 3886
E-mail: info@luxurypaints.com.au

Date Issued: 26 March, 2008

RUSTFIGHTER METAL PRIMER

Product Line: 51

Product Code: 5101; 5104.

Description

Rustfighter Metal Primer is based on tough alkyd resin and contains red iron oxide and zinc phosphate to impart good anti-corrosive properties on steel.

Features

- Easy application characteristics
- Fast drying
- Non-toxic - lead and zinc chromate free
- Excellent for use as a primer in general coating of steel work
- May be left uncoated for up to 6 months

Areas of Application

Suitable for general priming of steel work. Do not use directly over zinc coated steel.

Normally over-coated with conventional air drying finishes.

Typical Specifications

Surface	Preparation	System	Dry Film Thickness
Mild Steel	Remove rust, clean and degrease.	First Coat Rustfighter Metal Primer Top Coats Luxury Gloss Enamel or Luxury Acrylic water based range	30 - 40µm 30 - 40µm
Galvanised or zinc coated steel and aluminium	Clean and degrease. Aluminium may require light scuffing with an abrasive nylon pad.	1st Coat Superlux Etch Primer 2nd Coat Rustfighter Metal Primer Top Coats Luxury Gloss Enamel or Luxury Acrylic water based range	6 -12µm 30 - 40µm 30 - 40µm

Steel

Very good performance will be achieved by power tool cleaning to AS1627.2 standard or hand tooled cleaning to AS1627.7 standard. Where exposure conditions are more aggressive then abrasive blast cleaning will be required. Prime with Rustfighter Metal Primer to 30 - 40 microns dry film thickness.

Mild Steel

Remove light surface rust with a rust converter or mechanical abrasion. Clean and degrease with Wax and Grease Remover. Prime with Rustfighter Metal Primer to 30 - 40 microns.

Galvanised and Zinc Coated Steel, Aluminium and most non-ferrous metals.

Clean with Wax and Grease Remover. Aluminium may require light scuffing with an abrasive nylon pad. Prime with Superlux Etch Primer to 6 -12 microns.

Apply an intermediate coat of Rustfighter Metal Primer 30 - 40 microns dry film thickness.



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Mixing Instructions

Stir thoroughly until uniform consistency.

Application

Brush or Roller

Thinning not required.

Airless Spray

Thin approx. 15%. Tip orifice 0.013" to 0.015". Apply at 14 to 17 Mpa atomising pressure.

Apply two medium double header coats with 10 -15min. flash-off between coats to a dry film thickness of 30 - 40microns.

Conventional Spray

Thin approx. 15%. Apply at air atomising pressure of 350 to 400kPa (50 – 60 psi).

Apply two medium double header coats with 10 -15min. flash-off between coats to a dry film thickness of 30 - 40microns.

Thinner and Cleaner

Superlux Medium, Fast Thinner or Mineral Turpentine.

Approximate Coverage

Practical at 40micron dft	Brush or roller	11.1m ² /L
	Airless spray	9.6m ² /L
	Conventional spray	8.2m ² /L

Properties

Colour:	Red Oxide
Gloss:	Flat
Drying time:	Approximate air drying times at 25°C and 40 microns dry film thickness.
Dust free:	40 minutes
Touch free:	1 - 1½ hours
Hard dry:	5 hours
Recoating Time:	16 hours
Solids:	By weight approximately 66% By volume approximately 45%
Weight per Litre:	Approximately 1.32kg.
VOC:	Approximately 448 g/ litre
Shelf life:	18 months
Flash Point:	28°C
Durability:	Good when topcoated
Resistance Properties:	
Abrasion:	Good
Heat:	Up to 120°C
Solvent:	Moderate.
Oil and Petrol:	Moderate.
Chemical:	Fair

Precautions

Do not apply Rustfighter Metal Primer below 10°C or above 85% relative humidity.

Rustfighter Metal Primer contains flammable solvents. Keep away from heat and open flame. When applying in a confined space, use an airline respirator. In common with other organic solutions Rustfighter Metal Primer should not be allowed to remain on the skin and normal hygiene standards should be observed when using this product.