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Date Issued: 27 October, 2009

EASI SPRAY METAL PRIMER

Product Line: 61

Product Code: 61XX01; 61XX04; 61XX20 where XX represents digits for colour codes.

Description

Easi Spray Metal Primer is based on tough alkyd resin and zinc phosphate that impart good anti-corrosive properties on steel.

Features

- Very fast drying
- Lead and zinc chromate free
- Excellent for use as a shop primer in prefabrication work
- May be left uncoated for up to 6 months

Areas of Application

Suitable for agricultural parts, earth moving equipment, structural steel, switchboards and production line painting. Normally over-coated with conventional air drying spraying finishes such as Superlux CS Enamel, Superlux QD Enamel, or QDR Xtreme Enamel. Not recommended with heavy duty two pack topcoats.

Typical recommended coating systems

Surface	Classification	Preparation	System	Dry Film Thickness	Recoat
Structural Steel	Value system	Abrasive blast clean to AS1627.4 Class 2	First Coat EasiSpray Metal Primer Top Coat QDR Xtreme	40 – 50 µm 30 – 35 µm	Min. 4 hrs
Mild Steel	Value system	Remove rust, clean and degrease with Wax & Grease Remover	First Coat EasiSpray Metal Primer Top Coat QDR Xtreme	40 – 50 µm 30 – 35 µm	Min. 4 hrs
Galvanised, zinc coated steel and aluminium	Value system	Clean and degrease with Wax & Grease Remover. Lightly abrade aluminium with a nylon scourer.	First Coat Etch Primer Second Coat EasiSpray Metal Primer Top Coat QDR Xtreme	5 – 10 µm 30 – 40 µm 30 – 35 µm	Min. 2 hrs Min. 4 hrs

* Thin/ cleanup EasiSpray Metal Primer and QDR Xtreme Enamel with Fast, Medium or Slow Thinners.
Thin/cleanup Etch Primer with Etch Primer Thinners.
Refer individual Technical Data Sheets/ MSDS for specific product above.

Please Note: First Coat of Easi Spray Metal Primer applied at 40 - 50µm should be allowed to dry a minimum of 4 hours before applying topcoat.

Surface Preparation

Steel

Excellent performances will be achieved by abrasive blast cleaning to AS1627.47 Class 2. However, good results can be achieved in mild exposure conditions on power or hand tooled cleaned surfaces to AS1627.2 or AS1627.7. Prime with Easi Spray Metal Primer to 40 - 50 microns.

Mild Steel

Remove light surface rust with a rust converter or clean and degrease with Wax and Grease Remover. Prime with Easi Spray Metal Primer to 40 - 50 microns. Wet sand with 320 grade paper if required.



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

Clean with Wax and Grease Remover. Prime with Etch Primer to 5 - 10 microns dry film thickness. Apply an intermediate coat of Easi Spray Metal Primer 30 - 40 microns. Wet sand with 320 grade paper if required.

Mixing Instructions

Stir thoroughly until uniform consistency.

Application

Brush or Roller

Thinning not required, suitable for small areas only.

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 3 - 5min. flash-off between coats to a dry film thickness of 40 - 50microns.

Conventional Spray

Thin approx. 15%. Apply at air atomising pressure of 350 to 400kPa. Apply two medium double header coats with 3 - 5min. flash-off between coats to a dry film thickness of 40 - 50microns.

Thinner and Cleaner

Medium Thinner, Fast Thinner or Mineral Turpentine.

Approximate Coverage

Practical at 40 micron dft	Brush or roller	11.3m ² /L
	Airless spray	9.6m ² /L
	Conventional spray	8.2m ² /L

Properties

Colour:	White, Black, Green, Buff, Blue, Grey, Red.
Gloss:	< 10%
Drying time:	Approximate air drying times at 25°C and 40 microns
Dust free:	3 - 5minutes
Touch free:	8 -10 minutes
Hard dry:	2 hours
Recoating Time:	4 hours
Solids:	By weight approximately 60% By volume approximately 45%
Weight per Litre:	Approximately 1.16kg.
Shelf life:	18 months
Flash Point:	28°C
Durability:	Good when topcoated
VOC:	Approximately 520 grams per litre
Resistance Properties:	
Abrasion:	Good
Heat:	Up to 120°C
Solvent:	Moderate.
Oil and Petrol:	Moderate.
Chemical:	Limited.



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Precautions

- Do not apply Easi Spray Metal Primer below 10°C or above 85% relative humidity.
- Easi Spray 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 Easi Spray Metal Primer should not be allowed to remain on the skin and normal hygiene standards should be observed when using this product.