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Date Issued: 28 October, 2009

ETCH PRIMER

Product Line: 59

Product Code: 59XX01; 59XX04; 59XX20 where XX represents digits for colour codes.

Description

Etch Primer is a high performance, polyvinyl butyral/ epoxy based self etching coating specifically formulated to protect and promote adhesion to ferrous and non ferrous metals, zinc coated steel including galvanised iron, stainless steel, aluminium and fibreglass.

Features

- Excellent adhesion
- One pack convenience
- Corrosion resistant
- One coat finish for interior use
- Rapid drying

Areas of Application

Typical areas of use are in industrial applications such as metal fabrication, structural steel, purlins, gates, tanks, cranes, trusses and agricultural parts. Etch Primer is normally required to be topcoated. Etch Primer Black when used for coating metal furniture parts for interior use may be left un-topcoated.

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.

Surface Preparation

All surfaces must be thoroughly clean, dry and free from corrosion products, grease and oils.

Steel

Excellent performances will be achieved by abrasive blast cleaning to AS1627.47 Class 2 or acid pickling to AS1627.5. However, good results can be achieved in mild exposure conditions on power or hand tooled cleaned surfaces to AS1627.2 or AS1627.7.

Mild Steel

Remove surface rust with abrasive paper or wire brush. Clean and degrease with Wax and Grease Remover.

Galvanised and Zinc Coated Steel, Aluminium, Stainless Steel and Fibreglass:

Polished surfaces should be lightly abraded. Clean and degrease with Wax and Grease Remover.

Mixing Instructions

Stir thoroughly until uniform consistency.



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Application

Brush

Suitable for touch up only.

Airless Spray

No thinning required. Tip orifice 0.013" to 0.015". Apply at 14 to 17 Mpa atomising pressure.

Conventional Spray

No thinning required. Apply at air atomising pressure of 350 to 400kPa.

Dipping

Interior of dipping tanks must be stainless steel or non-metallic such as fibreglass. The tank should suit articles being dipped.

Please Note! It is recommended that application is done at not below 5°C or at relative humidity higher than 85%.

Thinner and Cleaner

Etch Thinner

Approximate Coverage

Practical at 8 micron dft	Brush	11.8 m ² /L
	Airless spray	11.8 m ² /L
	Conventional spray	11.8 m ² /L

Properties

Colour:	Black, Grey.
Gloss:	Satin
Drying time:	Approximate air drying times at 25°C
Dust free:	3 minutes
Touch free:	5 minutes
Hard dry:	4 hours
Recoating Time:	2 hours normally. When gently force-dried 30 minutes.
Solids:	By weight approximately 15%. By volume approximately 10%
Weight per Litre:	Approximately 0.9 kg.
Shelf life:	6 months
Flash Point:	< 10°C
Durability:	Exterior very good with suitable topcoats. Interior very good without topcoats
VOC:	Approximately 740 grams per litre.
Resistance Properties:	
Abrasion:	Fair
Heat:	Up to 120°C dry heat
Solvent:	Good to hydrocarbons, Not recommended for alcohols, esters or ketones
Water:	Good.
Chemical:	Fair.
Immersion:	Not recommended.

Precautions

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

Not Recommended - Do not apply to lead. Not suitable for prolonged exterior use as a one coat decorative finish.