



# ZINCPREP 358

## Zinc Rich Primer

**Data sheet: 358**

Supersedes 10/96

Revised 05/00

### DESCRIPTION:

Zincprep 358 is an alkyd vinyl copolymer based zinc rich primer designed to provide galvanic protection to steel surfaces.

### FEATURES:

- ◆ Single pack convenience
- ◆ Sacrificial protection of steel
- ◆ Good chemical resistance when topcoated
- ◆ Good abrasion resistance
- ◆ Fast drying
- ◆ Can be overcoated with a wide range of decorative and industrial coatings.

### APPLICATION AREAS:

Typical areas of use are on mild steel, tanks, cranes, and wrought iron. Where abrasive blast cleaning is not practical, power tool cleaning to bright steel standard is recommended and steel prepared this way will have good weathering performance and will remain substantially rust free even during long construction periods.

As a one coat system in inland industrial environments at 50 µm minimum.

As a primer for steel subsequently overcoated with most types of single pack decorative finishes. A barrier coat is required prior to overcoating with alkyd based coatings.

Zincprep 358 is not recommended for use on zinc coated or galvanised steel.

### TYPICAL SPECIFICATIONS

Surface	Preparation	System		Dry Film Thickness
Steel	Abrasive blast clean to AS 1627.4 Class 2 or power tool clean to AS 1627.7 minimum	<b>First Coat:</b> <b>Second Coat:</b> <b>Third Coat:</b>	Zincprep 358 Ameron 783 Etch Primer Ameron QD 600 Enamel	37 - 50 µm 20 - 25 µm 40 - 50 µm

For surface preparation, application and technical details see over

# ZINCPREP 358

## SURFACE PREPARATION

**Steel:** Abrasive blast clean to AS 1627.4 Class 2 minimum. Where blast cleaning is not practicable, power tool cleaning to bright steel, providing all millscale can be removed, is adequate for less severe conditions.

**MIXING INSTRUCTIONS:** Open with caution as pressure may have built up in the container. Stir thoroughly until of uniform consistency.

**Note:** Continuous agitation is advised to ensure even distribution of the zinc particles.

## APPLICATION

**Brush or Roller:** Thinning is not normally required.

**Airless Spray:** Thinning not normally required. Tip orifice 0.018". Apply at 17 mPa atomising pressure.

**Conventional Spray:** Thin 25%. Apply air atomising pressure of 275 - 425 kPa. Do not apply Zinprep 358 below 5°C or above 85% relative humidity.

°C

**THINNER:** 737 Thinner.

**CLEANING:** Clean equipment after use with 737 Thinner.

## APPROXIMATE COVERAGE:

Theoretical	at 50 microns	7.5 m <sup>2</sup> per litre
Practical	at 50 microns:	
	Brush or roller	7.5 m <sup>2</sup> per litre
	Airless spray	6.5 m <sup>2</sup> per litre
	Conventional Spray	4.9 m <sup>2</sup> per litre

## PRECAUTIONS

Do not exceed 125 µm in one application. Zinprep 358 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 Zinprep 358 should not be allowed to remain on skin and normal hygiene standards should be observed when using this product. MSDS is available and should be consulted.

## NOT RECOMMENDED

In contact with strong acids or alkalis or in immersed conditions.

Nor recommended for application onto Galvanised Steel.

<b>Colour:</b>	Metallic Grey
<b>Gloss:</b>	Matt
<b>Drying Time:</b>	Approximate air drying time at 25°C and 50 µm.
<b>Dust Free:</b>	5 - 10 minutes
<b>Touch Dry:</b>	15 - 20 minutes
<b>Hard Dry:</b>	4 hours
<b>Recoating Time:</b>	4 hours (minimum)
<b>Solids:</b>	By volume approximately 40 %.
<b>Weight per Litre:</b>	Approximately 1.7 kg.
<b>Shelf Life:</b>	12 months minimum.
<b>Flash Point:</b>	26 °C Classification 3.2 Packaging Group III
<b>Durability:</b>	Very good when not topcoated in rural and light industrial environments. Excellent when topcoated
<b>Resistance Properties</b>	
<b>Abrasion:</b>	Very good
<b>Heat:</b>	Up to 150 °C dry heat
<b>Oil:</b>	Fair
<b>Immersion:</b>	Not recommended
<b>Chemical:</b>	Fair

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