

TECHNICAL DATA SHEET

COSOL Etch Primer - Zinc Phosphate

- High Heat



General Data:

Date of issue: 22/09/2014

Description: COSOL Etch Primer - Zinc Phosphate is a premium quality Phenolic Resin based anti-corrosive Primer. A fast drying single pack product for application over pre-cleaned steel. The Primer have good corrosion resistance, adhesion, heat handling properties and flexibility. COSOL Etch Primer is formulated to etch into the steel to ensure maximum adhesion.

Recommended use: Anti-corrosive metal etch primer (Rust inhibitor). In dry environments up to 300 degC

Advantages:

COSOL Etch Primer can be applied using conventional, airless or electrostatic spray equipment or by dipping. Due to the quick drying properties of our Etch Primer, painted material can be handled quickly after it have been painted, saving time and money. A satin/matt finish can be expected from our High Heat Etch Primer.

Properties:

Color available:	Oxide Red, Grey, Black
Specific gravity:	approx 0.9
Fineness of Grind:	Maximum 15 Hegemen Units
Product Viscosity:	60 - 75 KU
Maximum safe temp:	Up to 300 degC 72 h after product have been applied
Finish (Dry Film):	Smooth / Satin
<u>Drying Time</u>	(Depending on Temperature, humidity, film thickness, and air movement)
To Touch:	Within 8 minutes
To Handle:	Within 20 minutes
To Recoat:	Within 4 hours
Hard Dry:	Within 24 - 48 hours
Vehicle Type:	Phenolic Resin
Gloss (60 degree):	Average 50% (Satin)
Dry Film Thickness	Approx 20 microns / coat
Mass Solids:	50%
Packaging size:	1 L / 5L / 20L /200L
Theoretical Spreading rate:	40 - 50 m ² per 5L, depending on substrate
Preparation:	Degrease / Sandblast / Wirebrush / Sandpaper - COSOL Industrial Steel Cleaner
Application:	Brush, roller, Spray gun or dipping.
Dilution:	COSOL Lacquer Thinners, or COSOL ISC is recommended for thinning down product to ensure consistent Product Quality.
Thinning Ratio:	18 - 20s FC4 For spray applications
Cleaning:	Clean all equipment with A - grade Lacquer Thinners, or Mineral Turpentine directly after use.
Recommended system:	COSOL Etch Primer 1 Coat COSOL QD Enamel 2 Coats

Every finishing operation is different. Please contact COSOL products for a Client Specific solution.

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ZP - Zinc Phosphate primer



Storage & Shelf Life:

Store in a cool dry space away from sparks, open flame or heat.
At least 12 months when stored as directed in undamaged and unopened containers

Health & Safety:

- * Highly Flammable
- * Keep away from sources of ignition
- * Keep away from children
- * Ensure adequate ventilation when using the product
- * Avoid breathing excessive vapors
- * When spraying, always wear proper respiratory equipment and protective clothing
- * Avoid contact with eyes. In case of contact with eyes, irrigate thoroughly with water and seek medical advice
- * Avoid contact with skin
- * Wash splashes from skin using a recognized skin cleaner
- * Do not disperse into drains of water courses
- * Contains no added lead

Disclaimer:

We Endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. The Quality Control at COSOL Products ensures that each product that leave our production line is a an exceptional standard, however, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest instructions and safety information



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