

## TECHNICAL DATA SHEET

# PERMAZINC P 96

## ZINC COLD GALVANIZING STEEL PRIMER

**DESCRIPTION:** A Single component, zinc pigmented primer based on organic binder containing 96% of zinc dust in the dry film.

**RECOMMENDED USE:** As a zinc pigmented primer for use with high performance protection systems in aggressive environments. As a single coat for long-term protection of steel structures. For maintaining and repair of hot-dip galvanised or zinc-sprayed structures. For repair of Zinc Rich Coatings. Capable of curing at temperatures down to 0°C.

**RESISTANCE TO:**

Moisture – Excellent	Abrasion – Excellent
Abrasion – Excellent	Aliphatic Solvents – Excellent
Petroleum Solvents – Excellent	

### PRODUCT INFORMATION:

Colour: Grey  
Finish: Matt  
Volume solids %: 80 ± 2 % (ASTM-D2697-86)  
V.O.C.: 180 g/l (NB. – Thinning will affect VOC compliance and volume solids)  
Typical thickness: 40 to 50 microns  
Theoretical coverage: 20 m<sup>2</sup>/ Litre @ 40 microns  
Flash point: 7°C  
Mixing ratio: Single component  
Shelf life: 24 months from the date of manufacture  
Pot life: Not applicable  
Pack size: 3.7 litre (10Kg)

FILM THICKNESS AND SPREADING RATE:	MIN.	MAX.	UNIT
Wet film thickness	50	62.5	µm
Dry film thickness	40	50	µm
Spreading rate	20	16	m <sup>2</sup> /l (theoretical)

This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

**SERVICE TEMPERATURE:** 120°C Maximum Dry.

**RECOMMENDED THINNER:** Thinner No.9 (10%)

### DRYING & CURING TIME:

SUBSTRATE TEMPRATURE	15°C	23°C	35°C
Touch dry	15 mins	10 mins	5 mins
Dried to over coat (minimum)	3 hours	2 hours	1 hour
Dried/cured for service	4 hours	3 hours	2 hour

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### SURFACE PREPARATION:

Remove all oil and grease in accordance with SSPC-SP1. Manually prepared surfaces should be prepared in accordance with SSPC-SP2 or SSPC-SP3. For more severe exposure, conditions blast cleaning to SSPC-SP 7 may be required. Abrasive blast clean to Sa 2 ½ BS7079:Part A1:1989. Average surface Profile 35 - 75 microns.

### RECOMMENDED COATING SYSTEM:

Please contact KPC's technical team for system recommendations.

### RECOMMENDED APPLICATION METHODS:

Airless spray                      Conventional spray                      Brush (for touch up)

### APPLICATION EQUIPMENT DETAILS:

#### AIRLESS SPRAY

Nozzle Size: 0.38mm (15 thou)

Fan Angle: 40°

Operating Pressure: 115kg/cm<sup>2</sup> (1600 psi)

#### CONVENTIONAL SPRAY

Nozzle Size: 1.27mm (50 thou)

Atomising Pressure: 2.8kg/cm<sup>2</sup> (40 psi)

Fluid Pressure: 0.70kg/cm<sup>2</sup> (10 psi)

### APPLICATION CONDITIONS AND OVER COATINGS:

This material is supplied as a single component This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C. At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended Additional Notes: Over-application of this material should be avoided so as to prevent solvent entrapment. Aged PERMAZINC 96 coatings should be washed thoroughly and all zinc corrosion products removed before overcoating

### HEALTH AND SAFETY:

Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

**Disclaimer:** The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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