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HI-DUR ZP PRIMER

PRODUCT DESCRIPTION

An alkyd based versatile zinc phosphate anticorrosive primer, which gives a high level of protection and adhesion to steelwork. Contains no lead additives and is of low toxicity. Can be re-coated with most air-drying finishes.

USES

Steelwork primer prior to industrial and marine topcoats. Finds use in all environments, agricultural, industrial, and marine and can be used on non-ferrous metals in conjunction with Etch Primer.

TECHNICAL PROPERTIES

Colour	White, Light Grey, Mid Grey, Red Oxide		
Finish	Matt		
Curing Agent	n/a		
Mix Ratio	n/a		
Specific Gravity	1.30		
Volume Solids	45%		
Recommended Film Thickness	75 - 150µm WFT / 34 - 68µm DFT		
Theoretical Spreading Rate	6 - 13 m ² /litre		
Application Method	Brush, Roller, Spray		
Flash Point	39°C		
VOC	429 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry	1 ½ hours	30 minutes	20 minutes
Hard Dry	7 hours	4 hours	3 hours
Minimum Overcoat	10 hours	6 hours	5 hours
Maximum Overcoat	36 hours	24 hours	24 hours

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS

<u>Steel:</u>	Extended Life System: Primer: Hi-Dur ZP Primer Intermediate: Standard MIO Primer Topcoat: Hi-Dur PU100 Finish or Coloured Solution
	Conventional System: Primer: Hi-Dur ZP Primer Topcoat: Hi-Dur PU100 Finish or Coloured Solution
<u>Aluminium:</u>	Primer: Etch Primer (2 Pack) Intermediate: Hi-Dur ZP Primer Topcoat: Hi-Dur PU100 Finish or Coloured Solution

SURFACE PREPARATION

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. Remove scale and rust and prepare to a minimum SA2. Apply two coats of primer in severe environments. On aluminium surfaces apply Etch Primer (Two Pack) prior to Hi-Dur ZP Primer for best adhesion. Standard MIO Primer can be used as an extra intermediate coat for improved durability.

PRODUCT APPLICATION

Mixing	Stir thoroughly before use.
Thinners	Thinner No.3
Brush	Do not thin. Apply two coats for best results.
Roller	Do not thin. Apply two coats for best results.
Conventional Spray	Thin with up to 10% Thinner No.3 Use 50-60 psi pressure and 1.4-1.8 mm diameter nozzle.
Airless Spray	Thin with max. 5% Thinner No.3 Use tip 0.38-0.53 mm, 50-65° angle and 2000 psi pressure.
Air Assisted Airless Spray	Thin with up to 5% Thinner No.3 Use 800-1000 psi pressure and 1.4-1.8 mm diameter nozzle.
Cleaner	Thinner No.3
Cleanup Considerations	All equipment should be cleaned immediately after use with Thinner No.3 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited. The user must observe local health, safety and environmental regulations when using this product. Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

1, 2.5 and 5 litre

PACK WEIGHTS

1 litre: 1.3 Kg.
2.5 litre: 3.25 Kg.
5 litre: 6.5 Kg.

STORAGE CONDITIONS

Store away from extremes of temperature.

LIMITATIONS

Do not apply when RH exceeds 88% or the surface is less than 2°C above dew point.
Drying will be affected in cold conditions.

DISCLAIMER

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It is the user's responsibility to ensure that this sheet is current prior to using the product.