

## PRODUCT SPECIFICATIONS

### Product Description

A single component high build multi-purpose alkyd primer formulated with high performance modified zinc phosphate anti-corrosive pigmentation for use on steel substrates.

### Design Features

- Post fabrication primer in new construction projects for either conventional, chlorinated rubber or polyurethane systems.
- Suitable for interior or exterior environments in moderately aggressive environments.
- Excellent anti-corrosive properties that outperform conventional zinc phosphate based primers.
- Can be applied to non-blast cleaned surfaces.
- Suitable for use in applications where dry heat resistance up to 100°C is required.
- As a rapid recoatable primer when quick handling times are critical.

### Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	106	50	9.4

Volume Solids	:	47% (based on ASTM D2697)
Dry Film Thickness Range	:	35 µm to 75 µm
Flash Point	:	25°C
Finish	:	Matt
Colour Range	:	Ref Oxide / Grey
Standard Packing Size	:	5 Litres

### Application Method

BRUSH OR ROLLER	:	May be used. However, additional coats may be necessary to achieve the recommended film thickness.
CONVENTIONAL AIR SPRAY	:	May be used. Dilution may be required to achieve good atomisation
AIRLESS SPRAY	:	May be used.
Tip size	:	0.43 – 0.54 mm (17 – 21 thou)
Pressure	:	110 -160 kg/cm² (1600 – 2300 psi)

### Drying Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval			
			Self & Alkyds		Polyurethanes	
			Min.	Max.	Min.	Max.
15 °C	2 hours	24 hours	6 hours	Indefinite	24 hours	Indefinite
25 °C	1 hours	4 hours	2 hours	Indefinite	12 hours	Indefinite
35 °C	30 minutes	2 hours	1 hours	Indefinite	6 hours	Indefinite

### Usefull Information

THINNER	:	Solvalux 7-25 (Maximum 10% addition)
CLEANCER	:	Solvalux 7-25
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25°C	:	12 months minimum when stored as prescribed in the MSDS.

## Surface Preparation

The service life span and the service performance of Luxaprime 1400 are directly related to the degree of surface preparation.

### STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- Freshwater jetting is required to remove all loose contaminants and soluble salt deposition.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to a minimum standard of St 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface.
- For optimum performance an abrasive blast to Sa 2 or SSPC SP-6 (commercial blast) is recommended with an average surface profile of 30 microns.
- Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

## Suitable Finish Coats

Luxol 1000, Luxol 5000

## Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- When applying by brush or roller care must be observed to prevent 'pick up' of recently applied single pack coatings.
- This product is not suitable for immersed conditions.
- This product is not suitable for exposure to acidic or alkaline environments.

## Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- This product contains low flash point solvents, do not use in poorly ventilated areas especially in confined tank interiors.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

## First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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