

**LUXAPRIME 1400****High Build Alkyd Zinc Phosphate Primer****PRODUCT DESCRIPTION**

A high build single pack alkyd anti-corrosive primer that can be applied to metals where for economic or practical reasons blast cleaning is not possible.

- Pigmented with zinc phosphate anti-corrosive pigments.
- Gives a hard tough film that reduces damage during erection.
- Reduced health and safety hazards compared to Red Lead Primers.

**DESIGNED USE**

- Post fabrication primer in new construction projects for conventional systems.
- Can be applied to non-blasted substrates
- Suitable as primer for upto C3 Environment as per ISO12944 Part 2 along with suitable intermediates and topcoats

**PHYSICAL DATA**

<b>VOLUME SOLIDS</b> (Based on ASTM D2697)	50 % $\pm$ 2 %
<b>TYPICAL DRY FILM THICKNESS</b>	50 microns
<b>WET FILM THICKNESS</b>	100 microns
<b>THEORETICAL COVERAGE</b>	10.0 m <sup>2</sup> /litre @ 50 microns DFT
<b>VOC "As Supplied"</b> (Based on ASTM D3960)	430 gms/ltr
<b>COLOUR</b>	Natural Red Oxide, Grey & Off White
<b>FINISH</b>	Matt

**APPLICATION DETAILS****METHOD OF APPLICATION :****AIRLESS SPRAY**

This is the recommended method of application:  
Maximum 5% Thinner may be added.  
Tip Size: 0.43 - 0.54 mm (0.017 - 0.021 in)  
Pressure: 110 - 150 kg/cm<sup>2</sup> (1600 - 2100 psi)

**CONVENTIONAL SPRAY**

This is also a suitable method of application.  
Maximum 20% Thinner may be added  
Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in)  
Pressure: 2.75 - 3.45 kg/cm<sup>2</sup> (40 - 50 psi)

**BRUSH OR ROLLER**

May be used for difficult shapes or touch-up.  
However, additional coats may be required to achieve the recommended film thickness.

**DRYING TIME:**

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval	
			Minimum	Maximum
15°C	6 Hrs	24 Hrs	24 Hrs	Indefinite
25°C	4 Hrs	16 Hrs	16 Hrs	Indefinite
35°C	2 Hrs	12 Hrs	12 Hrs	Indefinite
45°C	1 Hr	8 Hrs	8 Hrs	Indefinite

**NO. OF COMPONENTS**

One

**Application Conditions**

Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

**ADDITIONAL INFORMATION**

Thinner / Cleaning solvent	Solvalux 7-9
Storage Instruction	Store in a cool shaded dry area
Flash Point	36°C
Packaging	1 USG & 5 USG
Shelf Life	12 months from the date of manufacture.

**LUXAPRIME 1400****High Build Alkyd Zinc Phosphate Primer****SURFACE  
PREPARATION**

- The life-span and performance of this coating is directly related to the degree of surface preparation.
- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by SSPC-SPL.
- Soluble salts, dirt and dust must be removed prior to coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- 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 Swedish Standard SIS 05 59 00 or ISO 8501-1 : 1988 taking care to avoid polishing the surface.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

**PRODUCT USE  
RESTRICTIONS**

- Not suitable for use in conjunction with cathodic protection.
- Cannot be over coated with 2 pack products & vinyls.
- Dry heat resistance up to 80°C
- May also be applied between 50 and 75 Microns DFT
- Contact Berger Representative for suggesting suitable paint system

**SAFETY  
PRECAUTIONS**

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- 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
- Refer to MSDS for further information.

**FIRST AID**

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent 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

**DISCLAIMER**

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.