

# PROTECTIVE & MARINE COATINGS

Berger Luxaprime 1400



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## PRODUCT DESCRIPTION

Berger Luxaprime 1400 is a high build single pack alkyd anti-corrosive primer that can be applied to metals for economic or practical reasons where blast cleaning is not possible.

- Pigmented with zinc phosphate anti-corrosive pigments.
- Gives a hard tough film that reduces damage during erection.

## DESIGNED USE

Post fabrication primer in new construction projects for conventional systems.

- Suitable for interior or exterior environments in moderately aggressive environments

## PHYSICAL DATA

### VOLUME SOLIDS

(based on ASTM D2697)

50% ± 2%

### TYPICAL DRY FILM THICKNESS

50 microns

### WET FILM THICKNESS

100 microns

### THEORETICAL COVERAGE

9.0-10.0 sq. m./L @ 50 microns DFT

### COLOUR

Grey

### FINISH

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)

#### BRUSH OR ROLLER

May be used. However, additional coats may be required to achieve the recommended film thickness

#### CONVENTIONAL SPRAY

This is also a suitable method of application:

Maximum 10% Thinner may be added

Tip Size: 1.80mm - 2.2mm (0.071 - 0.087 in)

Pressure: 40 - 50 Psi (2.75 - 3.45 kg/cm<sup>2</sup>)

### DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Over-coating Interval	
			Minimum	Maximum
15°C	6 Hrs	24 Hrs	24 Hrs	Indefinite
25°C	4 Hrs	16 Hrs	20 Hrs	Indefinite
35°C	2 Hrs	12 Hrs	16 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

Reducer #4

Storage Instruction

Store in a cool, shaded, dry area

Flash Point

36°C

Packaging

1 Gallon (3.7L) and 5 Gallons (18.9L)

Shelf Life

12 months from the date of Manufacturing

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## 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 guidelines given by SSPC-SPI.
- 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 ISO 8501-1 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.
- The given data is for guidance only as actual drying times may be shorter or longer, depending on film thickness, ventilation, humidity, preceding paint system etc.
- Exposure to moisture, low temperatures and water ponding during and/or immediately after application may result in incomplete cure and problems that may affect intercoat adhesion.

## PRODUCT USE INSTRUCTIONS

Use clean tools and equipment always.

- Apply 2-3 coats.
- Remove any paint drops immediately with Berger Reducer No. 4.

## 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 vapour 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.

For specific recommendations, contact your Berger Technical Service Representative or Technical Service Department.  
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