

**BERGER****PRODUCT SPECIFICATIONS****LUXAPRIME 1801**

Chromate Free Etch Primer

**PRODUCT
DESCRIPTION**

A two component, etching / wash primer based on a polyvinyl butyral resin, phosphoric acid and zinc phosphate anti corrosive pigmentation.

**DESIGN
FEATURES**

Chromate and Lead free etching primer.
An acidic pre-treatment etching primer for use on galvanised iron, aluminium, zinc, copper and *other non-ferrous substrates to promote and enhance adhesion of subsequent coatings.
Very fast drying.
Can be over-coated with a variety of single pack and two pack products.
Extended overcoating times of up to 3 months.
Excellent intercoat adhesion properties.
*Please consult your Berger Paints Representative for specific recommendations on substrate

**PHYSICAL
CHARACTERISTICS**

Recommended Application Data		Wet [μm]	Dry [μm]	m^2/l
Theoretical Coverage		63	10	16
Volume Solids	16 $\pm$ 1 % (based on ASTM D2697)			
Dry Film Thickness Range	10 μm (Do not exceed 20 μm)			
Flash Point	15 °C			
Finish	Matt			
Colour Range	Green			
Standard Packing Size	5 litres set (4 litres Base : 1 litres Acid Diluent)			
Mixing Ratio (by volume)	4 part Base : 1 part Acid Diluent			

**APPLICATION
METHOD**

CONVENTIONAL AIR SPRAY	This is the recommended method of application. Use standard equipment with a pressure at 2.8 – 3.0 kg/cm ² .
BRUSH OR ROLLER	To be used only for difficult shapes or touch-up; however, care must be taken not to exceed the recommended film thickness and ensure that an even film is applied.

**DRYING &
CURING TIME**

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	30 minutes	2 hours	6 hours	3 months	10 hours
25 °C	20 minutes	1 hour	4 hours	3 months	8 hours
35 °C	15 minutes	30 minutes	3 hours	3 months	6 hours

**USEFUL
INFORMATION**

THINNER	:	SOLVALUX 5-30 (Maximum 20 % for spray application) (Maximum 5 % for brush / roller application)
CLEANER	:	SOLVALUX 5-30
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	6 months minimum when stored as prescribed in the MSDS.



BERGER

PRODUCT SPECIFICATIONS

SURFACE PREPARATION

The service life span and the service performance of LUXAPRIME 1801 are directly related to the degree of surface preparation.

NON FERROUS METALS

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- A wet abrasion using SOLVALUX 5-30 and abrasive paper will improve subsequent adhesion and ensure removal of surface contaminants.
- The surface to be coated must also be clean and dry.

GALVANISED STEEL OR ZINC METAL SPRAY

- Ensure that white zinc salts and other surface contaminants are removed by abrading with abrasive paper or suitable mechanical tools.
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- The surface to be coated must be clean and dry.

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 INTERMEDIATES	Luxol 1000, Epilux 610, Epilux 78, Epilux 685, Epilux 218, Epilux 58HS, Epimastic 3000HS
SUITABLE FINISH COATS	Luxol 5000, Luxathane 5075, Luxathane 5150HS, Luxathane 5000 HB, Epilux 4, Epimastic 3000HS

NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Do not over-apply. Do not exceed 20µm. Over-application may lead to loss of adhesion.
- Do not apply after the pot-life has expired although the paint still appears liquid.
- This product is not designed to confer opacity on the substrate.

SAFETY PRECAUTION

This product contains Zinc Phosphate and Phosphoric Acid.

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)**

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.