

## DURALAC

### Epoxy Zinc Phosphate Primer 1120

**Description:**

**DURALAC Epoxy Zinc Phosphate Primer 1120** is a two-component rust-preventing paint, based on epoxy resins and polyamide activator, containing zinc phosphate as a corrosion inhibiting pigment, designed to protect and seal steel surfaces.

**Area of Use:**

**DURALAC Epoxy Zinc Phosphate Primer 1120** is used as a primer for DURALAC Epoxy Top Coat 1150 Series, on steel and other metallic surfaces, in moderate to severely corrosive industrial environment.

**Technical Data:**

Specific Gravity	: 1,55 ± 0,02	Mixing Ratio by Vol.	: 8 Part (base A-Resins) to 1 Part (base B-Activator) (Pre-measured)
Viscosity	: 90 KU	Induction Time	: ≤ 30 min
Solid by volume	: 50 ± 0.5%	Pot Life	: 5 hours @ 25 °C
Finish	: Smooth & Flat	Mode of application	: Roller; Brush; airless spray
Color	: White, Grey	Thinner	: <b>X 279 Epoxy Thinner.</b>
Coverage Typical	: 12,3m <sup>2</sup> /liter@50 microns dft.	Cleaning of tools	: <b>X 275 Thinner.</b>
Coverage Minimum	: 11,2m <sup>2</sup> /liter@55 microns dft.	Scrub Resistance	: High.
Coverage Maximum	: 13,6m <sup>2</sup> /liter@45 microns dft.	Chemical Resistance	: Excellent.
Flash Point	: ≥ 25 °C	Solvent Resistance	: Good.
Drying time for touching	: 30 min @ 25 °C	Water Resistance	: Excellent.
Drying time for Recoating	: 2 Hours @25 0C	Storage	: 2 years from production date
Full Curing	: 5 days @ 25 °C		

**Surfaces Preparation:**

**Steel:** Blast-cleaning to minimum Sa 2½\_ISO-8501-1:2007, power tool cleaning to minimum St 2\_ISO 8501-1:2007

**Other metals and light alloys:** Suitably dry, clean, free from salt, dust, grease, oil and any other contamination. Treat any areas affected by mould, lichens, algae and moss with fungicidal solution. Confirm that the correct surface preparation and pre-treatment is carried out. Abrasive sweeping to create a suitable dense anchor profile.

**Repaintings:**

For previously epoxy coated surfaces, grind with mechanical fine graded sand paper, clean damaged areas to **St 3**, or by blasting to **Sa 2** minimum, dust off residues, then use one coat of **DURALAC Epoxy Phosphate Primer 1120**.

**System Information:**

Steel Surfaces			Other metals and light alloys surfaces		
Product	Coat	μ	Product	Coat	μ
<b>DURALAC Epoxy Zinc Phosphate Primer 1120</b>	1	50	<b>DURALAC Epoxy Zinc Phosphate Primer 1120</b>	1	50
DURALAC Epoxy Top Coat 1150 Series	2	50	DURALAC Epoxy Top Coat 1150 Series	2	50

Stir thoroughly before use. Add all the hardener to the resin in a ratio of 1 part (hardener 1120-1) to 2 part (resin 1120) and mix for 2-3 minutes.

Standard packages are in pre-measured kits and should be mixed as supplied. We recommend that the kits not be broken down unless suitable weighing equipment is available.

Allow mixed material to sweat-in for 30 minutes before starting application.

Before top coating, make sure the previous coat has tacked off.

### **Packing:**

Available in USG, Component A (resins) + Component B (activator)= 3,6 liters.  
Pail, Component A (resins) + Component B (activator)= 18 liters.

### **General Information:**

- Do not apply when the air or substrate temperatures are likely to fall below 10 °C or when the relative humidity is above 80% during application or the drying period.
- Substrate to be treated must not exceed 5% by weight moisture content.
- Under normal conditions this product will remain usable for up to two years if stored correctly and unopened.
- Store in a cool, dry and ventilated place. Keep container closed when not in use.
- All cited parameters must be considered as guidelines only.

### **Health and Safety:**

- When preparing or painting all surfaces avoid the inhalation of dust and paint mist.
- Ensure good ventilation and use mask and safety gloves while applying.
- Avoid skin contact, spoiled skin should immediately be washed.
- In case of eye contact, flush with plenty of water and consult a doctor.
- If accidentally swallowed seek medical attention immediately.
- Smoking, eating and drinking must be prohibited in the application area.
- Keep away from food, children and animals.
- Do not empty into sewer, watercourses or access routes to septic tanks.

**For more information on safety hazards and precautions, please refer to the product MSDS.**

The line manufacturing process is batch checked, ensuring traceability in the event of any incident. The quality system employed includes the actual design of every item and the controls in its fabrication, both of the raw materials used to ensure uniformity of manufacture and the end product obtained.

### **Disclaimer:**

For proper use and correct application of the product, a prior reading of the technical features is indispensable.

The data provided in this technical specifications was obtained to the best of our knowledge under normal laboratory conditions and on standardised bases, and may vary depending on the working conditions. The working conditions of the users are at all times beyond our control, we cannot guarantee anything but the quality of the product itself. The product must not be used for purpose other than those specified.

We have a technical-commercial team at your disposal to help you with any queries.

Due to standards and specification evolution, the company reserves the right to change the given data without prior notification.

**Universal Paints Manufacturing Co. Ltd.** Industrial City, Phase 03, Kingdom of Saudi Arabia  
Tel: +966 2 2686999 Fax: +966 2 6389680 Po.Box: 16945, Jeddah: 21474

