



## **PolyPrime 2K Zn R P**

Two Component Anti Corrosive Zinc Rich Primer

### **DESCRIPTION**

PolyPrime 2K Zn R P is a two component, cold cure, epoxy resin blend with zinc powder. Unlike regular paints / epoxies, which resists corrosion by forming an impermeable barrier between the metal and atmospheric moisture. PolyPrime 2K Zn R P provides corrosion protection through tiny electrical cathodic cells formed by interaction of zinc with steel surface. Of course, PolyPrime 2K Zn R P provides some impermeable barrier as well. PolyPrime 2K Zn R P is superior to paints / epoxies in providing corrosion protection.

### **TECHNICAL DATA**

Pot Life at 30 °C	3 – 6 hrs	Application Temp	> 10 < 50 °C
Theoretical Coverage	5 – 6 ltr/m <sup>2</sup>	Specific Gravity	1.50 ± 0.02
Dry Film Thickness	35 μ	Dry Time	1.50 hrs

### **APPLICATIONS**

- Anti corrosive primer for steel surfaces
- Anti corrosive primer for reinforcement steels

### **ADVANTAGES**

- Excellent long term protection of steel
- Paint / epoxy / urethane may be used as topcoats
- Long pot life for optimum working time
- Penetrates and seal the capillary pores
- Easy to use and cost effective
- Helps ensure good adhesion and also prevents air release from the porous substrate, which may cause bubbles in the coating

### **APPLICATION METHODOLOGY**

- Remove dust, flakes or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before proceeding application
- In case of new steel structure, blast clean to a minimum surface profile not exceeding 65 microns



- In case of old steel structure, where blasting is not practical, use mechanical tools along with manual chipping and wire brushing to remove loose rust
- Avoid excessive burnishing of steel
- Thoroughly dust down the surfaces
- Apply PolyPrime 2K Zn R P on an even, firm and bone dry surface
- Stir Component A and B separately with a hand drill type spiral stirrer. This is to ensure homogeneous dispersal of all fillers, which might have settled in the can. If settling is observed in the Component A, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing
- Gradually add the entire contents of thoroughly stirred Component B e.g. hardener to Component A and mix thoroughly for 3 minutes using a slow speed drill (400 – 500 rpm) fitted with a suitable mixing paddle until homogeneous mix is achieved. Carry out mixing in a specially designed drum mixer or in a bucket using drill mixer fitted with paddle
- Apply the homogeneous two Component thoroughly stirred mixer to the cleaned, evened and bone dry surface at 5 – 6 ltr/m<sup>2</sup>. Lay the mix on bone dry surface at temperatures ranging between 10 – 45 °C by using a brush or roller
- Install PolyPrime 2K Zn R P by spreading evenly over the recommended area
- Avoid excess application and mixing. Do not apply PolyPrime 2K Zn RP in more than 50 μ DFT in a single coat
- Apply second coat of PolyPrime 2K Zn R P on bone dry first coat
- Poly Prime 2K Zn R P may be over coated with conventional paints or two pack epoxy paints / polyurethane paints. Over coating can be done after 6 – 8 hrs, however, it is recommended to coat after 12 – 24 hrs of application of primer to obtain superior performance.

## HEALTH AND SAFETY

- Use mask, nose cover and hand gloves during application
- Ensure adequate ventilation and avoid inhalation of vapours
- Clean hands with soap after application
- Avoid contact with skin / eye. In case of unlikely contact with skin / eyes, rinse immediately with plenty of clean water, then clean with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.



### **PACKAGING**

Available in 20 Litre pack.

### **STORAGE**

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

### **SHELF LIFE**

If stored in original unopened sealed under the above conditions, it has a shelf life of 12 months.