

### ZINC RICH EPOCERAMIC PRIMER – EPP LINE

**DESCRIPTION** : It is an epoxy resin based, two-component primer and mid-level coat that contains anti-corrosive pigments. It creates a strong and rust-preventive layer. It is a zinc rich primer and has a very high physical and chemical resistance.

**AREAS OF USE** : It is used in industrial zones, ports, facilities, steel surfaces, concrete surfaces, under and above water surfaces, metal and concrete surfaces subject to chemicals such as acids or alkali.

**SOLVENT** : Solvent – epoxy thinner

**APPEARANCE** : Matt

**COLORS** : Gray, oxide red

**SOLIDS** : by volume: % 70 ± 1 (ASTM D 2697-03)

**V.O.C.** : 342 g/L (ASTM D 3960-05)

**PACKAGE** : 30 kg 1<sup>st</sup> component and 3 kg 2<sup>nd</sup> component

**STORAGE** : The product should be stored in a cool and dry location; the package covers should always be closed. Best kept over 5 degrees. Under proper conditions storage life is 1 year.

**PREPARING THE PAINT** : **Mix well before use.** Opened packages should not be used and the supplier should be contacted. Due to the two-component nature of the product, it is utmost important that the mixture is made as per stated amounts. Any different mixture will contradict all theoretical estimations.

**PREPARING THE MIXTURE:** 1<sup>st</sup> component is the paint and 2<sup>nd</sup> component is the hardener. The paint and the hardener should be mixed as **10:1 ratio in terms of weight**. For example, over 10.kg of 1<sup>st</sup> component, 1 kg of 2<sup>nd</sup> component should be added. The amounts should be precise, any variation should be avoided. The mixture should have the fluidity for being used with epoxy thinner. The mixture should be used within 3-4 hours after preparation. Otherwise, the mixture will become gel and unusable. When the two components are mixed, a drying reaction will begin. Thus, the produced amount should be equivalent to the amount to be used.

**PREPARING THE SURFACE:** The surface should be dry and cleaned from dirt and grease with a proper cleanser. In order to clean the surface from dirt, dust and mud, use fresh water with high pressure. Proposed abrasive rasp degree is generally Sa<sup>1/2</sup>. If the conditions in the location would not allow you to

work with this degree, you may carry out the cleaning on St2 degree as well. (ISO 8501-1:1998 )  
 It can also be used on surfaces that aren't properly cleaned.

**APPLICATION TEMPERATURE:** Air and surface temperature should be between 5-30°C Relative humidity rate is as important as the temperature. Surface temperature should be at least 3 °C more than dew point temperature.

**APPLICATION METHOD :** with airless or air gun.

**APPLICATION :** The application can start after the surface is prepared for painting and the paint is mixed as described. During application the equipment is as important as the paint. Airless systems are recommended. It is important that the mixture is made as per stated amounts and the temperature should be at least over 5°C during application. One coat applications are recommended.

**DRYING TIME :** Considering 20<sup>0</sup> C and 65% of relative humidity rate,

Dry to Handle	Assembly Drying	Mechanical Drying
Approximately 1-2 hours	Approximately 24 hours	Approximately 4 days

**PAINTED AREA :** Depending on the surface, for one coat 10-12 m<sup>2</sup> area can be painted with 1 lt. (calculations based on 40-50 micron dry film thickness)

**SAFETY WARNINGS :** Keep out of reach of children. Store in a cool place, best between 10 - 25 °C. Upon contact with eyes, wash with water and consult a doctor. If swallowed, immediately consult a doctor.

**DANGER WARNINGS :** Injurious to health when swallowed.  
 Inhaling the steam or mist of epoxy based materials, contacting them with eyes or skin should be avoided.