

## L15 - POXINEUCE ZINC PHOSPHATE Zinc Phosphate Epoxy Primer

**DESCRIPTION:** Based on hardened epoxy resins with polyamide and rich in iron oxide and zinc phosphate pigments, this primer is excellent for an anticorrosive protection of iron when exposed to industrial and adverse environments.

**FEATURES:**

- Good anticorrosive protection.
- Good covering power and hardness.
- Good mechanical and chemical resistance

**SPECIFICATIONS:**

- **Density**..... 1,580 ± 0,10 (p/ grey color)
- **Viscosity**.....71 - 95 Ku (25 °C)
- **Color**..... Brown and Grey
- **Solids in volume** ..... 49 ± 3%
- **Recommended dry thickness**..... 75-100 µm per coat
- **Drying:**
  - Dry-to-touch**..... 2-3 hours at 20 °C
  - Recoat** ..... 4-6 hours at 20 °C
- **Total cure**.....± 7 days at 20 °C
- **VOC (volatile organic compound)**...<sup>a)</sup> EU limit value set for this product cat. (A/j) 500 g/l (2010). This product contains a maximum of 500 g/l VOC.

**RECOMMENDED USE:** This two-component primer is appropriate to the anticorrosive protection of ferrous surfaces, subjected to aggressive environments such as industrial ones, steel structures, exterior pipes and tanks, in the chemical industry, wastewater treatment plants, etc.

It is also used in the protection of metallic structures, machines and other surfaces in which an important chemical and mechanical resistance, associated with a good anticorrosive protection is needed.

It can be used as an epoxy primer of general use in accordance to the paint specification.

**SURFACE PREPARATION:** Very often, the pellicular defects of the paints are the consequence of a deficient surface preparation.

Therefore, before the application of this primer, to make sure that the metallic surface is dry, clean, free of rust or dirt, and properly degreased.

Stripping by sandblasting by degree Sa 2 ½ is the ideal.

When this is not possible and the iron presents superficial and deep rust, to apply "RUST CONVERTER" (Technical File K2) so to provide an efficient chemical treatment.

Important: to apply this primer as fast as possible after the surface preparation in order to prevent any contamination. Do not let the stripped steel without protection during the night. In case of a contamination, to eliminate the contaminants and to strip again the areas where it is needed.

**MIXTURE  
PREPARATION:**

"POXINEUCE ZINC PHOSPHATE" is constituted by two components (Primer Base + Epoxy Hardener) which have to be closely mixed, in the indicated proportions, before to application.

The Primer Base has a certain tendency to leave deposits over time. To mix well the product before to use is recommended.

MIXTURE PROPORTION (5:1 in volume)

Primer Base.....100 Parts.(vol)  
Epoxy Hardener.....20 Parts.(vol)

Once the two components are mixed ( $\pm$  during 5 minutes), make the appropriate dilution.

**APPLICATION:**

The mixture is applied with an airless or conventional spray-gun (preferentially), or also by a paint-brush or a roller, in a single coat properly diluted but in sufficient layers to ensure a good performance.

**DILUTION:**

With "EPOXY DILUENT", in the approximate following proportions:

Paint-brush..... $\pm$  5% (Viscosity  $\pm$  50" Ford IV).  
Spray-gun.....5 to 10% (Viscosity  $\pm$  30" Ford IV).

**COVERAGE:**

On average and per coat, 7 m<sup>2</sup>/l of the mixture for a dry film thickness of  $\pm$  75  $\mu$ m.

**FILM THICKNESS:**

Can be specified in another thickness beside the one indicated, depending on the destined film and the used area. This way the coverage will be modified and able to influence the necessary

dilution, the drying time and the recovering interval. The normal interval varies between 75-100 µm.

**CLEAN-UP:** With “EPOXY DILUENT” or "CELLULOSE DILUENT", right after the application.

**MIXTURE LIFETIME:** To only prepare the necessary amount of product to an hour of application.  
The mixture will lose vitality over time (jellifying), and therefore, small amounts at a time should be prepared.  
Mixture lifetime: 4-6 hours at 20°C.

**WARNING:**

- To apply in places with a good air renewal.
- To use a mask when applied with a spray-gun.
- Inflammable product. In the case of a contact with the skin or the eyes, to wash with plenty of water.
- To keep out of reach of children.
- For further information, the reading of our product **Safety Data Sheet** is essential.

**RECOMMENDATIONS:**

- Do not apply with a rainy weather or temperatures inferior to 5°C.
- To mix the primer basis until its perfect homogenization and only then to make the mixture as indicated in the previous proportions. To reduce the storage time to a minimum to avoid sedimentation that requires the use of a mixer.
- Drying mechanism, by solvents evaporation and chemical reaction between components.

**STORAGE AND PACKAGING:** Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply.  
**Do not keep more than 3 months in stock.**

Is supplied in the following quantities:

- |   |
|---|
| <ul style="list-style-type: none"><li>▪ 4,8 Liters = 4,00 L. (Primer Basis) + 0,80 L. (Epoxy Hardener)</li><li>▪ 19,2 Liters = 16,00 L. (Primer Basis) + 3,20 L. (Epoxy Hardener)</li></ul> |
|---|

Note a) The value of the VOC previously mentioned concerns ready-to-use products, according to the technical specifications that we recommend. We do not take any responsibility for other mixtures made to the product. We draw special attention to all our agents for the responsibility that they take by not respecting what the Directive 2004/42/CE establishes.