

29.24 – NEUCEPOX E310 Epoxy Enamel – (Solvent-Based Two Components)

DESCRIPTION: Formulated with solvent-based reactive resins of epoxy root and polyamide, and great quality pigments and charges, NEUCEPOX E310 is appropriated for chemical-resistant paintings presenting a good hardness, resistance to shocks. It is resistant to certain solvents and to certain acids and alkalis.

FEATURES:

- Excellent adhesion on iron and cement surfaces.
- Good covering power
- Good chemical and mechanical resistance.
- Good coverage and great durability.
- It allows cleaning (humid scrubbing) with water, detergents and other cleaning products, and even to remove stains with solvents.

SPECIFICATIONS:

- **Density**.....1,460 ± 0,10
- **Viscosity**.....70-94 ku (20°C)
- **Colour**.....White, as in the catalogue and others
- **Finishing**.....Glossy
- **Solids in volume**.....58 ± 3%
- **Superficial drying**.....3 to 4 hours
- **Depth drying**.....± 24 hours
- **Total hardening**.....3 to 5 days
- **VOC (volatile organic compound)**...^{a)} EU limit value set for this product cat. (A/j) 500 g/l (2010). This product contains a maximum of 495 g/l VOC.

RECOMMENDED USE: Given its special properties of chemical and mechanical resistance, combined with a high decorative aspect, NEUCEPOX E310 is very used for the painting of iron and cement structures, in the exterior and in the interior, in the most diverse situations:

Over iron: Painting of machines, metallic structures subjected to adverse environments, etc.

Over “carapas” mass: In public buildings paneling (schools, swimming pools, hospitals, canteens, etc.); in paneling of industrial buildings subjected to a high waste and to cleaning operations (factories, laboratories, workshops, etc.)

Over cement surfaces: In the painting and protection of water reservoirs, dams and others structures, etc.

**SURFACE
PREPARATION:**

Iron surfaces have to be clean, dry, free of oxides or dirt, degreased and, preferentially, protected with anticorrosive primer such as “POXINEUCE”.

Cement surfaces have to be dry, hard, free of dust, grease, dirt and badly adhered sands. Some porosity is important for a good adhesion. A cleaning with “CELLULOSE DILUENT”, immediately before the application of NEUCEPOX E310 is recommended.

**MIXTURE
PREPARATION:**

NEUCEPOX E310 is constituted by two components: (“ENAMEL BASIS” and “EPOXY HARDENER”) which have to be closely mixed, minutes before to application and in the following proportions.

MIXTURE PROPORTION: (3:1)

NEUCEPOX E310.....3 parts in weight.
NEUCEPOX HARDENER.....1 part in weight.

As long as these proportions are respected, the product provides a good performance.

After mixed, the mixture has to be properly diluted and rest for ± 15 minutes to release the reaction products. Only then, to start the application.

MIXTURE LIFETIME:

With a dry and hot weather, the reaction happens faster, while with cold and humid weather the reaction is slower and the drying time is more extended.

The mixture lifetime is approximately of 6 hours. From that moment to consider, although NEUCEPOX E310 being still applicable, that it has already lost some of its properties. Therefore, only to prepare the necessary amount of enamel for each coat is recommended.

APPLICATION:

To homogenize well the product before to apply.

The application is made with a roller, a paint-brush, and sometimes with a spray-gun, in 2 to 3 coats, properly diluted and spaced out from 24 hours.

Concerning reservoirs painting, the application of 3 coats with a roller is usual, the 1st coat having to be well diluted for a good penetration.

To only put the water in the reservoir, 5 days after the last coat.

DILUTION:

With “EPOXY DILUENT” in the following proportions:

1st Coat.....15%
Others..... 5 to 10%

- COVERAGE:** On average and per coat 7 to 9 m²/kg of mixture.
- CLEAN-UP:** With “EPOXY DILUENT” or "CELLULOSE DILUENT", right after the application.
- WARNING:**
- To apply in places with a good air renewal.
 - To use protection mask when applied with a spray-gun.
 - Flammable product
 - Keep out of reach of children.
 - For further information: please read our [Safety Data Sheet](#)
- RECOMMENDATIONS:** Do not apply in very humid or cold days.
Humidity presence can originate “peelings”.
- 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.
Use it, with preference, up to 2 years after its manufactured date, but it can also be used after this date, as long as a good homogenization of the product can be verified.

Is supplied in the following quantities:

	1 kg	5 kg	20 kg
NEUCEPOX E310.....	0,750 kg.....	3,750 kg.....	15 kg
NEUCEPOX.....	0,250 kg.....	1,250 kg.....	5 kg
HARDENER			

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.