

## 29.12 – NEUCETOP PU – POLYURETHANE ENAMEL (Two Components)

**DESCRIPTION:** Based on polyurethane resins of two components, cured with isocyanates of aliphatic root, this enamel, thanks to its chemical and mechanical resistance, is indicated for high quality industrial painting.

**FEATURES:**

- Easy to apply and great lacquering.
- Easy wet-cleaning, with solvents or detergents without deteriorating the film.
- Good chemical resistance.
- Good resistance to bad weather.
- Good mechanical resistance, resistant to shocks and abrasion, good flexibility and hardness.
- Good color and gloss retention.

**SPECIFICATIONS:**

- **Density**.....1,285 ± 0,10.
- **Viscosity** .....150 ± 23” Ford IV (20°C).
- **Color**..... White and others.
- **Finishing**..... Glossy, ½ glossy and matte
- **Solids in volume**..... 49 ± 3%
- **Superficial drying**.....2 to 4 hours.
- **Depth drying**.....± 24 hours.
- **Drying between coats**..... ± 24 hours.
- **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 497 g/l VOC.

**RECOMMENDED USE:** This product finds its field of application in the metal-mechanical industry, when an excellent finish is pretended, combining its lacquered aspect with an excellent resistance. NEUCETOP PU is an excellent solution for the painting of machines, metal structures and agricultural implements. This is the indicated product to realize finishes of maritime structures, such as boats and oil platforms.

**SURFACE PREPARATION:** Metallic surfaces have to be clean, dry, free of oxides, degreased and properly protected with a resistant anticorrosive primer of the range Poxineuce.

**MIXTURE PREPARATION:** “NEUCETOP PU” is constituted by two components: the “ENAMEL BASE” and the “HARDENER”, which have to be properly mixed, minutes before to application and in the following proportions.

MIXTURE PROPORTION: (1,5:1)

Enamel Base.....150 parts in weight.  
Hardener.....100 parts in weight.

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

After the 2 components are mixed, the mixture has to be properly diluted and rest for  $\pm 15$  minutes to release the reaction products.

Only then, to start the application.

**MIXTURE LIFETIME:** After mixed, the two components start “jellifying” as time goes by, hardening at the end of  $\pm 6$  hours.

To avoid product wastes, to prepare, once at a time, only the mixture quantity necessary for a maximum of 2 hours of labor.

**APPLICATION:** To homogenize properly the mixture.  
It is applied with a conventional spray-gun (preferentially), but also with a paint-brush, in a 2 coats, crossed, properly diluted and spaced out from 12 to 24 hours.

**DILUTION:** With “POLYURETHANE DILUENT” up to 5%.

**COVERAGE:** On average and per coat 9 (60 $\mu$ m of dry film ) to 11 ( 45 $\mu$ m of dry film ) m<sup>2</sup>/l of mixture.

**CLEAN-UP:** With “POLYURETHANE DILUENT”, right after the application.

**WARNING:**

- To apply in places with a good air renewal.
- To use a mask during the application.
- In the case of a contact with the skin or the eyes, to wash with plenty of water.
- Toxic by inhalation or ingestion.
- To keep out of reach of children.

**RECOMMENDATIONS:** Do not apply in very humid or cold days.  
Humidity presence can originate “peelings” and cold causes delays in the hardening time of the film, weakening it.

**STORAGE  
AND  
PACKAGING:**

Recipients should be kept properly closed, and spend the product in the appropriate proportions, on the chronological order of supply.

Use it, with preference, up to 1 year 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.

It is supplied in groups of 2 packages, one corresponds to “NEUCETOP PU” and the other to “POLYURETHANE HARDENER”, in the following quantities:

	<b>1,25 lt</b>	<b>6.25 lt</b>	<b>25 lt</b>
NEUCETOP PU.....	0.750 lt.....	3.75 lt.....	15 lt
POLYURETHANE.....	0,5 lt.....	2,5 lt.....	10 lt
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.