



TECHNICAL DATA SHEET

## LONG OIL ALKYD ENAMEL

**Name:** ALKYCOL COAT LONG OIL  
**Code:** 101.00000  
**Color:** RAL COLORS, NCS, BS, CUSTOMIZED ON SAMPLE  
**Appearance:** GLOSS OR SATIN  
**Packaging:** KG 25 TIN  
**Availability:** ON REQUEST

**Specific thinner:** [SYNTETHIC](#)  
**Name:** SYNTETHIC DILUENT  
**Code:** 800.93405

### WHERE TO USE

Specific enamel for the LONG-LASTING protection of industrial plants of all kinds, with high resistance to acid and alkaline aggression, to industrial fumes and brackish. Particularly suitable for the external finishing of tanks, pylons, industrial sheds, ducts, construction cranes and silos, where the recommended minimum final thickness is not less than 100µm in dry film.

### CHEMICAL AND PHYSICAL CHARACTERISTICS

#### Referred to the undiluted one-component product

The physical constants are indicative and subject to normal production tolerances in accordance with ISO 3534-1. The data shown are relative to the White Color. For different colors the physical constants can take different values.

Calculated specific weight	Kg/L $1.200 \pm 0.020$ L/Kg $0.800 \pm 0.020$
Fineness of grinding	>6 Hegman scale (NS)
Calculated dry residue	Weight $56\% \pm 2\%$ Volume $44\% \pm 2\%$
Binder	LONG OIL ALKYD
C.O.V.	< 500 g/L



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Calculated theoretical yield* two applications	11.0 mq/Kg 13.0 mq/L
* The yield must be evaluated from time to time, as it is conditioned by multiple external and environmental factors that are variable during the application phase. In estimating the quantities necessary for the execution of the work, it is also necessary to consider the possible losses of material during mixing and application.	

Drying	Air T° 25°C Relative humidity 70%
Dust out	30' - 40'
Dry to the touch	2 hours
Dry in depth	7 days
Overpainting	after 5 hours

## APPLICATION INSTRUCTIONS

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### Optimal conditions for the application

Temperature not lower than 5°C, and anyway when the T° of the surface is at least above dew point.

Relative humidity not exceeding 80%.

Note: Excessive moisture or condensation during polymerization can negatively interfere with the polymerization itself and / or cause discoloration. Above or below normal conditions it may be necessary to use special application techniques and particular dilution ratios.

### How to treat the surface

The surface must be clean and dry. A suitable method must be used to remove dirt, dust, oils and other contaminants that could interfere with the adhesion of the product.

The steel support must be sandblasted accurately, up to the grade Sa 2½ - Sa 3 as indicated in the SSPC-SP10-63T and SSPC-SP 5-63 specifications. After sandblasting, we recommend the application of an appropriate anticorrosive primer of excellent quality, such as the following: oleophenolic, epoxy and organic and inorganic galvanizing. In some cases it is advisable to use a mid-coat, before proceeding with the application of long oil alkyd enamel.



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Recommended primer	Oleophenolic	Recommended primer	Epoxy
Name	<a href="#">OLEOPHENOLIC PRIMER</a>	Name	<a href="#">EPICOL PRIMER</a>
Code	101.00000	Code	401.00000
Recommended primer	Organic galvanizing	Recommended primer	Inorganic galvanizing
Name	<a href="#">EPICOL ZINK LEVEL 1</a>	Name	<a href="#">COLSILICATE ZINK 86</a>
Code	401.04094	Code	730.01740
Recommended midcoat	<a href="#">EPICOL MIOX MID-COAT</a>	Code	401.00000

### Mode

By spray	SUITABLE
By roller	SUITABLE
By brush	SUITABLE
Note: Taking care to reach the required thickness	

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### MIXTURE AND DILUTION

Both depend on the application method. The use of a diluent other than the specific one indicated may have a negative effect on the behavior of the coating applied, with the cancellation of guarantees also explicitly expressed and / or agreed upon.

Note: Carefully mix the product before dilution. Adding the thinner and mix again.

#### Spray application

With AIRLESS and AIRMIX systems, dilute up to the viscosity of 40" Ford Cup No. 4 at 20°C. It is recommend to reach the required thickness. On request the product is available for application with ELECTROSTATIC system.

#### Roller application

Maximum dilution 5%, taking care to reach the required thickness.

#### Brush application

Maximum dilution 5%, taking care to reach the required thickness.



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### INSTRUCTIONS FOR STORAGE

The product must be stored in accordance with national regulations. After the indicated period of time, check before use to verify the integrity of the product. Storage at high temperatures significantly reduces the period of use of the product.

#### Enamel

12 months from the date of production in sealed can, as long as the material is placed indoor, away from heat sources, protected from frost and anyway within the limits of 4 - 30°C and humidity 0 - 80°C.

### HEALTH AND SAFETY

To be used exclusively for the uses and conditions shown on this data sheet.

In applications it is always necessary to provide adequate room ventilation.

Do not inhale the nebulised paint. Do not eat, drink or smoke during use. Do not disperse into environment. Collect spillages. Dispose of the product / container in accordance with national regulations.

The product causes serious eye irritation. Wearing protective gloves / clothing. Protecting eyes / face. In case of contact with the skin, removing the paint with a suitable detergent, soap and water. Keep out of reach of children.

**In case of need, consulting Niguarda Hospital's venoms Center at the number 02/66101029**

For detailed information on health and safety hazards and precautions for the use of this product, always consult the Safety Data Sheet.

#### Please Note:

Since the conditions of use of our materials are not under our direct control, we decline any responsibility for the improper use that is made of them, for the direct or indirect damages that can derive from their use towards anyone and for the duration in time of the product after its application.

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#### Revision N.01/2019

This data sheet replaces all the previous ones.

