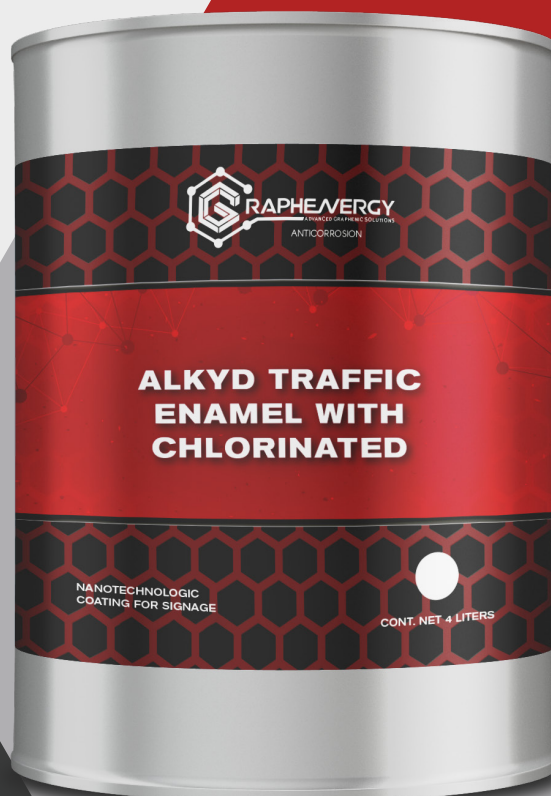




# ALKYD PRIMER AND ENAMEL WITH GRAPHENE OXIDE



# DATA SHEET

## ALKYD PRIMER AND ENAMEL WITH GRAPHENE OXIDE

### Description

Anticorrosive coatings system based on alkyd resin with graphene oxide (primer-ename), for the protection of metallic surfaces. Ideal for interior and exterior use, recommended for industrial infrastructures and light maintenance.

### Features



High corrosion protection



Greater adherence to surfaces



Great durability



Abrasion high resistance



Excellent resistance to UV rays



Inhibits the growth of bacteria and fungi

### Use

Apply on ferrous metal surfaces, concrete, gypsum or brick walls and ceilings, cementitious composite materials, wood and MDF. For interiors and exteriors.

### Yield

Yield of 8-10 m<sup>2</sup> /L depending on the porosity and texture of the surface, and the color to be applied.

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### Physical properties

	Alkyd primer	Alkyd enamel
<b>Resin type</b>	Alkyd	Alkyd
<b>Physical state</b>	Liquid	Liquid
<b>% Solids</b>	55.0 - 58.0	55.0 - 60.0
<b>Density (Kg / L)</b>	1.056 - 1.250	1.069 - 1.210
<b>Viscosity (KU)</b>	90-110	95-112

**\*Recommended film or coating thickness, for both product:**

<b>Thickness</b>	<b>Minimum</b>	<b>Maximum</b>
Wet, mils (microns)	6.0 (150)	10.0 (250)
Dry, mils (microns)	4.0 (100)	7.0 (175)

### Colors

Alkyd primer: Gray

Alkyd enamel: Traffic yellow / Red / Green / Black / Blue / White / Yellow / Gray

### Drying time

At ambient conditions of 25°C (77°F) and 50% relative humidity. Drying time is longer at lower temperatures and excess humidity.

	<b>Primer</b>	<b>Enamel</b>
• Touch	30 min	30 min
• To coat	30 min	1 h
• Full cure (Hard)	24 h	24 h

### Presentation



Packing: 4 and 18 liters  
Matte or glossy finish



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### Material handling

#### Surface Preparation

Before applying, the surface must be clean and dry, free of dust, grease, oil, rust, as well as any other contaminant. Old or poor paint should be completely removed if possible, or else sanded down.

On new metal surfaces, if the surface is shiny or smooth, you should sand to dull the shine or cause porosity in the surface.

#### Products preparation

Thoroughly mix the contents of each product until there are no settled components in the container.

The products do not require dilution. In case the user considers diluting the product, use only acrylic thinner with a maximum dilution of 10 %. Mix the contents of the container well before and after dilution.

#### Products Application

-It can be applied by brush, roller, or spraying systems (airless). With airless equipment follow the equipment manufacturer's instructions for using the proper nozzle.

-Apply anticorrosive primer on the surface, first apply in one direction until perfectly covered and let it dry for 30 to 40 minutes and then apply the enamel.

-Before the second application of enamel, let the surface dry for 1 to 2 hours.

-Once the application is finished, wash the used equipment with standard thinner.

### Recommendations

- The paint can be applied directly or with a maximum dilution of 15%. In case of dilution, use only acrylic thinner.
- Mix the contents of the containers well, before and after dilution.
- Do not leave the container open during its application.
- Store in a covered, cool, and dry place, avoid extreme temperatures.
- Apply in spaces with adequate ventilation.



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### Warnings

- In case of ingestion, do not induce vomiting; rinse nose, mouth and throat and get medical attention.
- Keep out of reach of children.
- Do not smoke or eat during application.
- Avoid direct contact.
- Apply in spaces with adequate ventilation.
- Close the container well after each use.
- Flammable liquid, keep away from fire or heat sources.



ATTENTION, HARMFUL  
IF SWALLOWED



FLAMMABLE LIQUID

### Safety precautions

- Contains flammable substances, so sufficient ventilation is required and keep away from any source of fire.
- The rules and regulations in force at the place of application regarding Hygiene, Safety and Environment must be complied.
- In case of doubt about the application of this product, consult Energeia Fusion S.A de C.V. Technical Service.
- Use personal protective equipment, glasses, gloves, face mask and protective suit.



WEAR  
PROTECTIVE SUIT



USE GLOVES



WEAR  
GLASSES



WEARS  
FACE MASK

### Storage

Store in a cool, dry place, avoid freezing conditions and extreme heat. This product contains flammable solvents, keep away from sources of ignition or flame, do not store outdoors.

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### Waste management and environmental impact

Waste such as brushes, cheesecloth and other materials used to apply the product must be disposed together with the waste contaminated with chemical products generated during the product application.

### Expiration

The product can be stored for up to 12 months in its original container, hermetically sealed, under cover, in a cool and dry place, protected from sunlight.

### Legal note

The information contained in this data sheet is provided in good faith and is valid only for the product to which reference is made.

The information is not intended to be exhaustive, and it is based on Energeia Fusion, S.A. de C.V., current knowledge, and experience, if the product is properly stored, handled, and applied under normal conditions and in accordance with the recommendations expressed here.

It is advisable to carry out the pertinent tests with the product to determine its suitability before its final application. In case of changes in parameters of application or if it is planned to use for a different application, consult Energeia Fusion Technical Service.

Energeia Fusion, S.A de C.V. is not responsible for any damage that may be caused by misuse of the product.

For more information contact [contact@graphenemex.com](mailto:contact@graphenemex.com)

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