

DATA SHEET



RAPHEMERGY
ADVANCED GRAPHENIC SOLUTIONS

ANTICORROSIVE

ALKYD PRIMER AND ENAMEL

**GRAPHENIC ANTICORROSIVE SYSTEM TO
BE USED IN NON-COASTAL AREAS FOR
INDUSTRIAL AND INFRASTRUCTURE
USES ON METALLIC SURFACES**



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EVERGEIA®

Description

- Anticorrosive alkyd primer with graphene oxide to protect metal surfaces.
- Alkyd enamel with graphene oxide to protect and provide finish coat to metal surfaces.
- * Both are suitable for application in installations exposed to environmental corrosion in non-coastal areas.

Applications

- Apply to ferrous metal surfaces, walls and ceilings made of concrete, plaster or brick, composite materials with cement, wood and MDF.
- For interiors and exteriors.

Advantages

- Extreme anticorrosive protection.
- High durability.
- Excellent resistance to ultraviolet rays.
- Greater adherence to surfaces.
- High performance.
- Inhibits the growth of bacteria and fungi.
- Contains no lead or mercury.

Container size

18L and 200L

Recommendations

- The coating can be applied directly or with a maximum dilution of 10%.
- In case of dilution, use acrylic thinner.
- Store in a covered, fresh and dry place, avoid extreme temperatures.
- Storage time: 12 months in its original unopened container.
- Apply in spaces with adequate ventilation.
- Avoid exposure to chemicals.

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**ATTENTION HARMFUL IN
CASE OF INGESTION**

Use Instructions

- Apply with brush or air gun.
- Mix the contents of the container well before and after dilution.
- Apply the primer and let dry for 30 minutes to apply the enamel.
- Before the second application of enamel, allow the surface to dry for 4 to 6 hours.
- After application wash the equipment used with standard thinner.

Surface Preparation

- Previous coating must be completely removed or sanded.
- Before applying, the surface must be clean and dry, free of dust, grease, oil, or other contaminant.
- Any trace of previous corrosion must be removed.

Warnings

- Keep out of reach of children.
- Avoid direct contact, it contains solvents and flammable toxic substances.
- Keep it away from high temperatures, sparks and flames.
- Do not smoke or eat food during your application.
- If swallowed, do not induce vomiting, seek immediate medical attention.
- Apply in spaces with adequate ventilation.
- Close the container after each use.

Safety precautions

- Use glasses, gloves, a mask, and an apron to protect against solvents.
- Must be applied by trained operators in industrial facilities and follow the recommendations provided in this data sheet.
- Contains flammable substances, sufficient ventilation is required and keep away from any source of fire.
- The standards and regulations in force in the place of application on Hygiene, Safety and Environment must be complied.
- In case of doubt about the application of this product, consult with Energia Fusion Technical Service.

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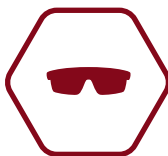
**ATTENTION HARMFUL IN
CASE OF INGESTION**



WEAR PROTECTIVE
SUIT



USE
GLOVES



WEAR
GLASSES



WEAR FACE
MASK

Properties*

- Alkyd Solvent Based Graphene Primer and Enamel
- Touch dry (min): primer 31 - enamel 23
- Yield (m²/L): 8 to 10 depending on the surface and the color to be applied.
- Density (Kg/L): 1.056 - 1.069
- % Solids (w/w): 58.6 - 59.2
- Viscosity (KU): 95 - 112
- Fineness (Hg): 5 - 6
- Leveling: 8 - 10
- Pull-off Adhesion (PSI): 1513
- Resistance to more than 1,100 hrs of salt spray exposure and 1,600 hrs of accelerated weathering (no blistering or changes in color or appearance)

Tests: Performed by Alliancer S.A de C.V. EMA certified laboratory

Legal notes

All the information contained in this technical sheet is not intended to be exhaustive, it was based on the current knowledge and experience of Energeia Fusion, S.A de C.V. as long as the product has been correctly stored, handled and applied in normal situations and according to the recommendations.

In case of changes in the application parameters, consult Energeia Fusion Technical Service. The information contained herein does not exonerate the user from testing the products for the desired application and purpose.

For more information contact contact@graphenemex.com

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