

DATA SHEET



ANTICORROSIVE AROMATIC POLYURETHANE

**NANOTECHNOLOGICAL COATING WITH
GRAPHENE OXIDE THAT PROVIDES PROTECTION
AGAINST ENVIROMENTAL AND CHEMICAL
AGENTS FOR INDUSTRIAL AND
INFRASTRUCTURE USES ON
METALLIC SURFACES**





Description

Aromatic polyurethane with graphene oxide, for the protection of metal surfaces exposed to chemical and environmental corrosive agents (saline, diluted acids, alkalis and various solvents), as well as for signaling on areas exposed to intense traffic (pedestrian, vehicular and industrial machinery)

Applications

- To paint and protect surfaces exposed to chemical and environmental corrosive agents (saline, diluted acids, alkalis and various solvents).
- Apply to areas exposed to heavy traffic (pedestrian, vehicular and industrial machinery).
- For signaling and delimitation of areas on concrete, cement, wood or MDF floors and walls.
- As a coating for pipes or ferrous, galvanized and PVC metal surfaces.

Advantages

- Extraordinary anticorrosive protection.
- Great chemical and mechanical resistance (abrasion and impact).
- Greater adherence to surfaces.
- Extreme performance and durability.
- Inhibits the growth of bacteria and fungi.
- Contains no lead or mercury.

Container Size

4L and 18L

Recommendations

- The coating can be applied directly or with a maximum dilution of 10%.
- In case of dilution, use only polyurethane reducer.
- Do not leave the container open during its application.
- Store in a covered, cool and dry place for no more than six months, avoid extreme temperatures.
- Apply in spaces with adequate ventilation.
- Do not return leftover material to containers that have not been used to avoid gelation.
- Close the container well after each use.

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**ATTENTION HARMFUL IN
CASE OF INGESTION**

Use Instructions

- Mix the contents of the container well before and after dilution.
- Apply with brush, air gun, airless or roller.
- Between each application, allow to dry for 30 minutes.
- Material fully cures in 48 hours.
- After the application, wash the equipment used with solvent.

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 contaminants.
- Any trace of previous corrosion must be removed.

Warnings

- Prohibited its sale to minors.
- Avoid direct contact, it contains solvents and flammable toxic substances.
- Keep the product away from high temperatures, sparks and flames.
- Do not smoke or eat food during your application.
- In case of accidental ingestion, do not induce vomiting and seek immediate medical attention.
- Apply in spaces with adequate ventilation.

Safety precautions

- Use glasses, gloves, a mask and an apron to protect against solvents.
- It must be applied by trained operators in industrial installations and the recommendations provided in this technical sheet must be followed.
- Contains flammable substances, so 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 with.
- In case of doubt about the application of this product, consult with Energeia Fusion Technical Service.



WEAR
PROTECTIVE SUIT



USE
GLOVES



WEAR
GLASSES



WEAR
FACE MASK



Properties*

- Solvent Based Aromatic Polyurethane Based Graphene Coating
- Touch dry (min): 12
- Yield (m²/L): 8 to 10 depending on the surface and the color to be applied.
- Density (Kg/L): 1.2
- Solids by weight (%): 59.8
- Viscosity (KU): 112
- Fineness (Hg): 6.5
- Leveling: 10
- Pull-off Adhesion (PSI): 1469
- Resistance to 1,500 hrs of exposure to salt spray and 1,600 hrs of accelerated weathering (no effects of corrosion, blistering or cracking)

*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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