



# ANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE



# DATA SHEET

## RANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE

### Description

It is a 100% acrylic antimicrobial coating, with excellent covering power and easy to apply. Due to its great durability and performance, it is ideal for interiors and exteriors on masonry surfaces such as plaster, concrete, flattened, drywall, walls, and ceilings.

### Features



Great durability.



High performance.



Greater adherence to surfaces.



Excellent anti-microbial capacity by inhibiting the growth of bacteria and fungi on surfaces.



Excellent resistance to weathering and UV rays.

### Use

- Antimicrobial coating for use in hospitals, operating rooms, clinics, schools, pharmaceutical, food and health industries, etc.
- For interiors and exteriors, on masonry surfaces, plaster, concrete, flattened, drywall, walls, and ceilings.

### Yield

Yield of 10 m<sup>2</sup> /L (350 - 400 square feet/gallon) depending on the porosity, texture and sealing of the surface.

### Physical properties

Color	% Solids	d (K/L)	μ (cps)	pH
White	56.0 - 58.0	1.400 - 1.450	8000 - 17000	8.5 - 11.0
Black	38.0 - 41.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Reddish yellow	39.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0

# DATA SHEET

## RANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE

### Propiedades físicas

Color	% Solids	d (K/L)	μ (cps)	pH
Greenish yellow	39.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Oxide yellow	39.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Oxide red	40.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Scarlet red	39.0 - 41.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Vermillion red	40.0 - 41.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Orange	40.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Fiusha	40.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Purple	39.0 - 41.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Reddish blue	40.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0
Greenish blue	40.0 - 43.0	1.100 - 1.300	8000 - 17000	8.5 - 11.0

### Colors

Wide variety of colors (ask for color range)

### Drying time

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

Touch	30 minutos
To coat	30 minutos
Complete drying	24 h

### Presentation



Packaging:  
5.019 Gallons (19 Liters)  
1 Gallon (4 Liters)  
Matte or satin finish



# DATA SHEET

## RANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE

---

### 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.

**Product preparation:** Mix the contents well before use. Subsequently, the product is ready to be applied. The product does not require dilution. In case the user considers diluting the product, use clean water, with a dilution of 5 to 10 % of clean water and mix thoroughly.

### Product Application:

-Verify that the surfaces to be painted (construction materials) are completely set and dry.

-On new surfaces it is recommended to use the acrylic sealer, before applying the paint.

-It can be applied with brush or roller.

-First apply the product in one direction of the surface until perfectly covered, and then apply perpendicular to the first one, forming a cross. Allow the material to dry on the surface, approximately 30 minutes between coats, it is suggested to apply after 1 hour the second coat of the coating.

-Wash the brush or roller or any utensil and/or equipment used during the application with water.

### Recommendations

- The paint can be applied directly or with a maximum dilution of 10%. In case of dilution, use only clean water.
- 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.
- Keep your equipment in good condition by washing with soap and water after application.



# DATA SHEET

## RANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE

### 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 food during application.
- Avoid direct contact.
- Close the container well after each use.



**AATTENTION, HARMFUL IF SWALLOWED**

### Safety precautions

- The rules and regulations in force at the place of application regarding Hygiene, Safety and Environment must be complied.
- EIn 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, and protective suit.



WEAR PROTECTIVE  
SUIT



USE GLOVES



USE GLASSES

### Storage

Store in a cool, dry place, away from fire, avoid storing outdoors, and keep closed.

# DATA SHEET

## RANTIMICROBIAL ACRYLIC COATING WITH GRAPHENE OXIDE

### 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)

Code	I-ENER-8.3
Version	0
Revision	03-01-23