



# WATERPROOFING WITH GRAPHENE OXIDE



# DATA SHEET

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### Description

Acrylic waterproofing with graphene oxide, aqueous base of excellent performance for concrete surfaces. Ideal to prevent and solve filtration, humidity, and leaks problems on surfaces properly prepared.

### Features



Great durability



High performance



Greater adherence to surfaces



Helps to disperse heat from the surfaces where it is applied



Excellent resistance to weathering and UV rays



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

### Use

Ideal for waterproofing flat or inclined concrete slabs in buildings, residences, shops, hotels, etc.

The lifetime may vary, depending on environmental conditions, correct application, and slab conditions.

### Yield

Depending on the finish of the surface and the thickness of the applied film, on . new porous surfaces the yield is from 0.24 gallons/square feet in two coats\*.

For maintenance on already waterproofed surfaces the yield is 0.26 gallons/square feet.

For best results place reinforcement membrane.

\*The thickness of the film formed on which this calculation is made is 0.17 in.

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### Physical properties

Color	% Solids	d (K/L)	$\mu$ (cps)	pH
White	57.0 - 61.0	1.250 - 1.290	10000 -20000	8.5 - 11.0
Terracotta	57.0 - 61.0	1.250 - 1.300	10000 -20000	8.5 - 11.0

### Colors

White  
Terracotta

### 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 1 h
- To coat 4 h
- Complete drying 24 h

### Presentation



Packaging  
5.019 Gallons (19 liters)  
1 Gallon (4 liters)

Semi-matte 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. Repair cracks or fissures on the surface.

#### Product preparation

Mix the contents well before use. Subsequently, the product is ready to be applied.

#### Product Application

Verify that the surfaces to be painted (construction materials) are completely set and dry. New surfaces should be at least 28 days old.

It can be applied with brush or roller.

On new surfaces must dilute 3 parts of water for one part of waterproofing to seal the surface, let dry for 60 minutes and then apply a first coat.

First coat: After sealing, apply the first coat undiluted, apply 0.26 gallons for 20 square feet in one direction only. Second coat: Apply like first coat, but crosswise (perpendicular to the first coat), letting dry preferably 24 hours between coats.

Wash brush or roller or any utensil and/or equipment used during application . using water.

### Recommendations

- The waterproofing must be applied directly, without diluting.
- Do not apply on wet surfaces or when there is a risk of rain.
- 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 is complete.



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



**ATTENTION, HARMFUL  
IF SWALLOWED**

### Safety precautions

- 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, 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.

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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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