



AQUA System

SmartCOVER μ
GRAPHENE FINISHING



AQUA System

Graphene micromortar ideal for wet areas and environments in contact with water. It is especially prepared to withstand plentiful supplies of chlorine and salt.

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1. AQUA SYSTEM APPLICATION

SUBSTRATE PREPARATION AND WATERPROOFING

The substrate must be clean, dry, smooth, firm and pore-free with no cracks or fractures.
Apply a liberal coat of Waterproofing AQUA+.

FIBERGLASS MESH APPLICATION

Set the Fiberglass Mesh and apply Union Bridge AQUA.
Allow to dry for 2 hours.
Estimated performance: 100-200 g/m².

APPLY 2 COATS OF SMARTCOVER BASE AQUA (WITH GRAPHENE) WITH METAL TROWEL

Mix 1 kg of SmartCOVER Base AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.
Estimated performance: 1 kg/m² per coat.
Estimated pot life: 1 hour.
Allow to dry for 6-8 hours.
Sand with 80-grit.

APPLY 2 COATS OF SMARTCOVER FINE AQUA (WITH GRAPHENE) WITH PLASTIC TROWEL

In order to obtain "burnt effect" apply the product with metal trowel.
Mix 1 kg of SmartCOVER Fine AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.
Estimated performance: 350 g/m² per coat.
Estimated pot life: 1 hour.
Allow to dry for 3-8 hours.
Sand with 120-grit.

APPLY A BEAD OF ACRILAT SEALER

Estimated performance: 100 g/m².
After the coat allow to dry 2 hours.

APPLY TWO TOP COAT AQUA LAYERS COMPONENT A + COMPONENT B

Mix the two components A and B in the proportion of 2 parts of A and 1 part of B, and homogenize with a stirrer. Let the mixture rest for a few minutes.
Apply a generous layer and spread evenly. Let dry approx. 2 hours for matte and satin finishes, and 6 hours for gloss.
Apply a second coat.
Easy application, with 8 mm microfiber roller.

These indications are based on our current state of technical knowledge and our experience. Due to the different conditions of application, it is advisable to conduct proper testing to determine the most adequate consumptions and dosages for each use. Product and information are destined for industrial use, for professionals with the necessary skills and knowledge to carry out an appropriate application. Other uses beyond those specified in this document are at your own risk.



2.1. WATERPROOFING AQUA+

Waterproofing Sealer. Indicated as a waterproofing sealer for microcement surfaces indoors and outdoors.

PROPERTIES

The dried product forms a flexible waterproof membrane.

INSTRUCTIONS

Surfaces must be clean, dry and free from dust, grease, rust, dirt and residues from cleaning agents.

PERFORMANCE

The estimated consumption is 100-200 g/m².

This consumption is intended as a guide only. Independent tests should be conducted to determine appropriate consumption amounts.

CLEANING

Tools and utilities that have been saturated with Waterproofing CLASSIC+ must be washed with water before the product dries on them.

PRODUCT PRESENTATION

Packed in 10kg, 5kg and 1kg containers.

HANDLING AND TRANSPORT

The usual preventive measures for the handling of chemical substances should be adopted, such as the use of goggles and gloves. Wash hands before breaks and at the end of work. Do not eat, drink or smoke while handling the product.

They are not considered dangerous goods for transport by road.

STORAGE

Store the product in its original container, perfectly closed, in a cool, dry and ventilated place at temperatures no lower than 5 °C. Avoid extreme temperatures. Under these conditions, the product is preserved for 1 year.

DISPOSAL

The disposal of the product and its packaging must be carried out in accordance with the legislation in force and it is the prime responsibility of the product consumer to adhere to disposal regulations.

TECHNICAL DATA

Appearance: White liquid

Density, 20 °C: 1.05 +- 0.2 g/cm³

pH: 7.5 +- 1

Brookfield viscosity, 20 °C: 500-600 cps

2.2. FIBERGLASS MESH

Fiberglass Mesh is recommended to reinforce the resistance of micromortar walls and floorings as well as to prevent shrinkage and cracks due to the stress on specific points in the building or house.

PROPERTIES

- Water resistant.
- Flexible.
- Does not rust.

SUBSTRATE PREPARATION

- Surfaces must be perfectly set and free of dust, paint, oil, etc.
- Sand it with 80-grit and remove the sanding dust.

INSTRUCTIONS

- Fiberglass Mesh is set with the Union Bridge AQUA, followed by the application of a SmartCOVER Base AQUA with graphene.

RECOMMENDATIONS

- Application should not be made in rainy conditions, or at a temperature below 5 °C or above 35 °C.

CLEANING

- Wash the tools with water before the product dries on them.

PRODUCT PRESENTATION

- In 50 m² rolls.

STORAGE

- Preserved up to 1 year in original packaging, between 15 °C and 25 °C.

SAFETY AND HYGIENE

- For any information on safety, storage and disposal of waste refer to the product *Safety Data Sheet*.



2.3. UNION BRIDGE AQUA

It is indicated for facilitating adherence between substrates.

Watery dispersion of esters of the acrylic acid with high concentration in resin.

It facilitates adhesion between micromortar and different substrates such as: cement, concrete, plasterboard, etc.

PROPERTIES

Dry product forms a bending, sticky, alkali-resistant film that facilitates the adhesion.

INSTRUCTIONS

Surfaces must be clean, dry and free of dust, grease, oxide or dirt.

Apply with a brush or roller.

Apply a regular thin coat of the product, avoiding unwanted buildups.

Do not use at temperatures below 5 °C.

PERFORMANCE

Consumption is around 100-200 g/m² according to surface porosity.

This consumption is intended as a guide only. Independent tests should be conducted to determine appropriate consumption amounts.

CLEANING

Tools and utilities that have been saturated with Union Bridge AQUA must be washed with water before the product dries on them.

PRODUCT PRESENTATION

Packed in 25 kg and 10 kg containers.

HANDLING AND TRANSPORT

The usual preventive measures for the handling of chemical substances should be adopted, such as the use of goggles and gloves. Wash hands before breaks and at the end of work. Do not eat, drink or smoke while handling the product.

They are not considered dangerous goods for transport by road.

STORAGE

Store the product in its original container, perfectly closed, in a cool, dry and ventilated place at temperatures no less than 5 °C. Avoid extreme temperatures. Under these conditions, the product is preserved for 9 months.

DISPOSAL

The disposal of the product and its packaging must be carried out in accordance with the legislation in force and it is the prime responsibility of the product consumer to adhere to disposal regulations.

TECHNICAL DATA

Appearance:	White liquid
Density, 20 °C:	1.02 +- 0.2 g/cm ³
pH:	8 +- 1
Brookfield viscosity, 20 °C:	50-100 cps

2.4. SMARTCOVER BASE AQUA WITH GRAPHENE

AQUA micromortar base functionalized with graphene, specially formulated to be used in wet areas and environments in contact with water.

APPLICATIONS

In cement mortar, concrete and plaster substrates and pavements for heavy traffic loads.
Indoors and outdoors, floors, walls, pools, bathrooms, etc.
Facade cladding.
Application for overlap on old stoneware tiles.

PROPERTIES

Optimal grip as well as high compressive and shearing strengths.
High thixotropy and great workability.
Waterproofs under pressure and back pressure.

SUBSTRATE PREPARATION

Surfaces must be resistant, be perfectly set and free of dust, paint, oil, etc.

INSTRUCTIONS

Mix 1 kg of SmartCOVER Base AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.
Allow to stand for 5 minutes.
Mix again to obtain a paste ready to use.
Apply with trowel and expand on the substrate in order to have a regular surface.

RECOMMENDATIONS

Application should not be made in rainy conditions, or at a temperature below 5 °C or above 35 °C.
Wet the substrates in hot weather or strong wind.

TECHNICAL DATA

Application temperature:	5 °C to 35 °C
Mixture pot life:	1 hour
Compressive strength at 14 days:	> 25 N/mm ²
Bending strength at 14 days:	> 8 N/mm ²

PERFORMANCE

Approximate consumption: 1 kg/m² per coat.

CLEANING

Wash the tools with water before the product dries on them.

PRODUCT PRESENTATION

Buckets of 25 kg.
White colour.

STORAGE

Preserved up to 1 year in original packaging, between 15 °C and 25 °C.

SAFETY AND HYGIENE

For any information on safety, storage and disposal of waste refer to the product *Safety Data Sheet*.



2.5. SMARTCOVER FINE AQUA WITH GRAPHENE

AQUA micromortar fine coating functionalized with graphene, specially formulated to be used in wet areas and environments in contact with water.

APPLICATIONS

Apply over SmartCOVER Base AQUA with graphene.
It provides a continuous coat on surfaces free of wall and floor joints.

PROPERTIES

Water resistant.
Abrasion resistant.

SUBSTRATE PREPARATION

Surfaces must be resistant, be perfectly set and free of dust, paint, oil, etc.
Sand it with 80-grit and remove the sanding dust.

INSTRUCTIONS

Mix 1 kg of SmartCOVER Fine AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.
Allow to stand for 5 minutes.
Mix again to obtain a paste ready to use.
Apply with plastic or metal trowel to get "burnt effect" and expand on the substrate in order to have a regular surface of approximately 1 to 1.5 mm of thickness.

RECOMMENDATIONS

Application should not be made in rainy conditions, or at a temperature below 5 °C or above 35 °C.

TECHNICAL DATA

Application temperature: 5 °C to 35 °C
Mixture pot life: 1 hour

PERFORMANCE

Approximate consumption: 350 g/m² per coat.

CLEANING

Wash the tools with water before the product dries on them.

PRODUCT PRESENTATION

Buckets of 20 kg.
White colour.

STORAGE

Preserved up to 1 year in original packaging, between 15 °C and 25 °C.

SAFETY AND HYGIENE

For any information on safety, storage and disposal of waste refer to the product *Safety Data Sheet*.

2.6. RESIN MIXTURE AQUA WITH GRAPHENE

Water-based nanodispersion of graphene with acrylic resins indicated to improve the performance of the micromortar.

Such improvements are reflected in the behavior against scratch resistance, impact resistance, impermeability, workability, cracking resistance, abrasion resistance and flexural strength.

INSTRUCTIONS

Mix 1 kg of SmartCOVER Base AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.

Mix 1 kg of SmartCOVER Fine AQUA with graphene with 400-550 cc of Resin Mixture AQUA with graphene, depending on the workability may be required.

Allow to stand for 5 minutes.

Mix again to obtain a paste ready to use.

Apply with trowel and expand on the substrate in order to have a regular surface.

CLEANING

Tools and utilities that have been saturated with Resin Mixture AQUA with graphene must be washed with water before the product dries on them.

PRODUCT PRESENTATION

Packed in 10kg, 5kg and 1kg containers.

HANDLING AND TRANSPORT

The usual preventive measures for the handling of chemical substances should be adopted, such as the use of goggles and gloves. Wash hands before breaks and at the end of work. Do not eat, drink or smoke while handling the product.

They are not considered dangerous goods for transport by road.

STORAGE

Store the product in its original container, perfectly closed, in a cool, dry and ventilated place at temperatures no less than 5 °C. Avoid extreme temperatures. Under these conditions, the product is preserved for 1 year.

DISPOSAL

The disposal of the product and its packaging must be carried out in accordance with the legislation in force and it is the prime responsibility of the product consumer to adhere to disposal regulations.

TECHNICAL DATA

Appearance:	Pigmented liquid
Density, 20°C:	1.02 +- 0.2 g/cm ³
Ph:	7.5
Brookfield viscosity, 20°C:	50 cps

2.7. ACRILAT SEALER AQUA

Fast drying sealer for micromortar. Watery dispersion of acrylic resins which forms a sealing film on cementitious coatings.

PROPERTIES

Dry product forms a hard film in satin matte finish.

INSTRUCTIONS

Surfaces must be clean, dry and free of dust, grease, oxide or dirt.

Apply with a brush or roller.

Apply a consistent thin coat of product to avoid immediate and unwanted buildups.

Do not use at temperatures below 5 °C.

PERFORMANCE

Consumption is around 100-150 g/m² according to surface porosity.

This consumption is intended as a guide only. Independent tests should be conducted to determine appropriate consumption amounts.

CLEANING

Tools and utilities that have been saturated with Acrilat Sealer must be washed before the product dries on them.

PRODUCT PRESENTATION

Packed in 10kg, 5kg and 1kg containers.

HANDLING AND TRANSPORT

The usual preventive measures for the handling of chemical substances should be adopted, such as the use of goggles and gloves. Wash hands before breaks and at the end of work. Do not eat, drink or smoke while handling the product.

They are not considered dangerous goods for transport by road.

STORAGE

Store the product in its original container, perfectly closed, in a cool, dry and ventilated place at no less than 5 °C. Avoid extreme temperatures. Under these conditions, the product is preserved for 1 year.

DISPOSAL

The disposal of the product and its packaging must be carried out in accordance with the legislation in force and it is the prime responsibility of the product consumer to adhere to disposal regulations.

TECHNICAL DATA

Appearance:	White liquid
Density, 20 °C:	1.02 +- 0.2 g/cm ³
pH:	8 +- 1
Brookfield viscosity, 20 °C:	100-300 cps
Drying time:	Approximately 20 minutes

2.8. TOP COAT AQUA Component A (Polyurethane) + Component B (Hardener)

Two-component aliphatic polyurethane sealant. Choose between our different finishes: transparent, matte, gloss and satin.

APPLICATIONS

It guarantees a durable protection of pavements and facades.
It can be used on wood, cluster and kind of flooring including: micromortar, continuous concrete, marble, porcelain stoneware, etc.

PROPERTIES

High hardness and resistance to abrasion.
Water resistant.
Water vapor permeability.
High resistance to stains and different aggressive agents.
Excellent mechanical properties and chemical resistance to aggressive cleaning agents.
Water-based product, COVs-free and environmentally-friendly.

Hardness of König pendulum (ISO 1522):	Approximately 120 sec
Abrasion resistance (ASTM D4060):	Approximately 37 mg
Slip resistance (UNE-EN 12633:2003, annex A):	Class 1

FEATURES

Fast drying.
Foot-traffic 24 hours after the application.
Maximum resistance is achieved 7 days after the application.
Estimated quantity per coat: from 50 to 75 g/m².
Mixture pot life: approximately 1 hour between 15 °C and 25 °C.

MAINTENANCE

Easy cleaning and maintenance. Wash with water and mild soap.
Polishing wax can be applied on the final coat of varnish.

INSTRUCTIONS

Surfaces must be clean, dry and free of dust, grease, wax or residues from cleaning agents. If necessary, carry out a preliminary treatment of the substrate. Loose or weak anchorage areas must be removed and repaired.

Mix A and B components following the rule of 2 parts of A and 1 part of B, and homogenize with a rod. Use a gentle hand-mixing technique to combine the two products. It is not necessary to use a stirrer.

Allow the mixture to stand for a few minutes.

Apply a liberal coat and expand evenly. Allow to dry approximately 2 hours to get matt and satin finish, and to get a matte and satin finish or 12 hours for a glossy finish.

Apply a second coat. If more than 2 hours elapse between the first coat application and the second one, it is necessary to open the pore of the first coat with fine sandpaper before applying the second coat.



RECOMMENDATIONS

To even the absorption of the substrate it is recommended to apply previously Acrilat Sealer.

It is not recommended to dilute the product in water.

It is recommended to apply the product between 5 °C and 35 °C.

The enclosure must be ventilated during the application and drying of the product. Avoid strong air currents, direct sunlight and keep the surface free from dust.

APPLICATION

Easy application with a roller, brush or spray-gun.

Thread or microfibre roller of approximately 8 mm.

Nozzle spray gun of 1.8-2.0, nozzle of 2.5-3.0 and pressure of 2.5-3.0 atm.

With an airless: nozzles of 13-15, 15-17.

CLEANING

Clean the application tools with water before the product dries on them.

PRODUCT PRESENTATION

Component A: Packed in 10kg, 5kg and 1kg containers.

Component B: Packed in 5kg and 1kg containers.

STORAGE

Preserved up to 1 year in original packaging, between 15 °C and 25 °C.

Protect from frost and excessive heat.

Product is sensitive to intense cold. It is recommended to avoid temperatures below 5 °C.

Store away from heat. It is recommended to avoid temperatures above 35 °C.

SAFETY AND HYGIENE

Use appropriate working clothes, gloves and protective goggles against liquid splashes.

For any information on safety, storage and disposal of waste refer to the product *Safety Data Sheet*.