



AQUA PLUS System

SmartCOVER μ
GRAPHENE FINISHING



AQUA PLUS System

Graphene micro-mortar with high hydrophobic protection, perfect in wet areas and environments in direct contact with water such as baths, showers, swimming pools, saunas, etc. Specially prepared to withstand heavy loads of chlorine and salt in direct and prolonged contact.

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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 "V" AQUA Plus and apply Union Bridge AQUA.
Allow to dry for 2 hours.
Estimated performance: 100 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 COAT OF ACRILAT SEALER AQUA

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

APPLY NANOcoat 2K SUPER WATERPROOFING

Estimated performance: 100 g/m².
It is recommended to apply with a roller or brush (depending on the substrate to be protected).
Mix by weight BASE (part A) : HARDENER (part B) = 4: 1.
Apply two layers forming a cross.

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+

Two-component Epoxy Waterproofing Sealer. Indicated as a waterproofing sealer for microcement surfaces indoors and outdoors.

PROPERTIES

Good penetration in concrete, micromortar and porous substrates.
Reacts with moisture leaving a hard coat.

INSTRUCTIONS

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

Mix: In the proportion: 2 parts of A / 1 part of B, until a homogeneous mixture is obtained.

How to use: Apply with an 8 mm microfiber roller. and spread on the support so that there is a regular surface.

PERFORMANCE

The estimated consumption is 100 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 AQUA+ must be washed with water before the product dries on them.

PRODUCT PRESENTATION

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

Part B: Packed in 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.

TECNICAL DATA

Appearance:	Clear liquid, honey colour.
Density, 20 °C:	0.9 +- 0.1 g/cm ³



HAZARD STATEMENTS AND PRECAUTIONARY STATEMENTS

H phrases:

- H 315 Causes skin irritation.
- H 317 May cause an allergic skin reaction.
- H 319 Causes serious eye irritation.
- H 332 Harmful if inhaled.
- H 334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H 335 May cause respiratory irritation.
- H 351 Suspected of causing cancer.

P phrases:

- P 260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P 280 Wear protective gloves/protective clothing/eye protection/face protection.
- P 285 In case of inadequate ventilation wear respiratory protection.
- P 314 Get medical advice/attention if you feel unwell.
- P 302 + P 352 If on skin: Wash with plenty of soap and water.
- P 305 + P 351 + P 338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P 304 + P 340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P 308 + P 313 If exposed or concerned: Get medical advice/attention.
- P 403 + P 233 Store in a well-ventilated place. Keep container tightly closed.

Additional hazard statements:

- EUH 204 Contains isocyanates. May produce an allergic reaction.



2.2. FIBERGLASS MESH “V” AQUA PLUS

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 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 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 strenght 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 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 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 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 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 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. NANOCOAT 2K SUPER WATERPROOFING

Two-component room-temperature hybrid coating.

Nanocoat 2K Super waterproofing is a two-component room temperature hybrid sol-gel based coating. Used for waterproofing surfaces in general.

PROPERTIES

- Transparent, two components, alcohol based.
- Application of a single, very thin layer.
- Totally water-repellent.
- Prevents fouling of the substrate; facilitates its cleaning.
- The coating has very good adhesion to mineral surfaces.
- Resists condensation and temperature changes.
- High mechanical strength.
- Excellent adhesion to general substrates (minerals, stoneware, ceramics).
- Resists a wide variety of organic solvents and chemicals.
- Very good weather resistance.
- Contains neither chromium nor lead.
- Free of volatile organic components (VOC).
- High gloss retention.
- Water-repellent, non-stick for all kinds of dirt (oil, grease, coffee, soft drinks, rain with mud, even graffiti); it facilitates cleaning with only one application.

APPLICATIONS

Nanocoat 2K Super waterproofing is used as a finish for mineral and stone such as marble, stoneware, natural stone, slate, granite, concrete and general mineral surfaces. Excellent for terraces, swimming pools, sheds and roofs for rainwater collection. It can also be used in heated swimming pools, saunas, thermal baths, etc, taking into consideration that it can be used at water temperatures of up to 38-40°C without being affected by higher ambient temperatures.

PACKAGING

Two-component, two containers: base + hardener.

Colour: transparent or slightly cloudy.

Finishes: there are three versions: matt, gloss and satin.

TECHNICAL DATA

Binder type:	Poly-epoxy.
Solid concentration:	Approx. 50% by weight.
Coverage kg/m ² :	Depends on the porosity of the surface and the application. In ideal conditions without application losses, the coverage is 25-30 m ² per kg.
Heat resistance:	+180°C.
Non-volatile content:	Approx. 60%
Density:	1,15 g/cm ³ aT 25°C.
Dry weight:	5,87 g por m ² .
Complies with EU Directives:	1907/2006/EC (REACH) and 2011/65/EC (RoHS)



RECOMMENDATIONS

Blend component A (base) with a blender for 5 minutes before use.
A prior test is recommended for large areas.
The product must be spread evenly.
Avoid overlapping layers. Apply the entire area in one operation.

USE

The surface must be clean, dry and free of dust and grease.
Clean with alcohol, solvent or neutral pH detergent. Alkaline is recommended for cleaning aluminium surfaces.
Spray with compressed air gun, nozzle size 1 or 0,8 mm.
Injection pressure: 2.0 bar.
Apply two layers forming a cross.
Apply with a roller or brush (depending on the substrate to be protected). Mix by weight of BASE:HARDENER = 4:1. The mixture does not need solvents.
Weigh with precision scales only.
Layer thickness approximately 15-30 microns when completely dry.

PRODUCT PRESENTATION

Part A: Packed in 8kg, 2kg and 1kg containers.
Part B: Packed in 2kg and 1kg containers.

DRYING

The hardening time can be reduced by increasing the room temperature up to 60°C after drying.
Drying time: approx. 4 h (25°C).
Total hardening time: approx. 14 days (25°C).

STORAGE

Minimum maintenance of 1 year in its original packaging, closed in dry conditions at room temperature. After this period a rigorous filtering is required. Avoid tin containers.