

DECOR PU AQUA

2-COMPONENT WATER-BASED POLYURETHANE VARNISH,
FOR THE PROTECTION OF MICROCEMENT

ODORLESS

PROTECTION AGAINST SOLAR RADIATION (UV)

EXCELLENT ADHESION



PACKAGING

A 900gr (plastic container) + B 100gr (metallic container)
A 2,7kg (plastic container) + B 300gr (plastic container).



CONSUMPTION

~125 gr/m² per layer, depending on the texture and the absorption of the surface.

SUBSTRATES

For microcement, cementitious substrates and natural stones.

RECOMMENDED

For interior and exterior applications.



COLOR

Transparent matte.



STORAGE

Component A: Store in sealed packaging in a dry environment at temperatures between +5 °C and +35 °C for 24 months from the date of production.

Component B: Store in sealed packaging in a dry environment at temperatures between +5 °C and +35 °C for 6 months from the date of production .

STANDARD

According to EN 1504-2.

- High adhesion to the substrate.
- Particularly low consumption.

SUBSTRATE PREPARATION

The surface must necessarily be clean, dry and free of dust and mould before application. The substrate must be stable and free from loose particles, dust, oil and grease. Any stagnant water must also be removed. The surface must be protected from rising damp. Additionally, the moisture content of the substrate should be less than 4% and the atmospheric humidity less than 65%. In the case of application on microcement, it is necessary to apply **DECOR PRIM** before applying the varnish.

MIXING

Pour the entire amount of component B into the container of component A. For better stirring it is recommended to use a drill at low speed for 2 - 3 minutes until a homogeneous mixture is obtained. Stirring should be done carefully from the bottom to the top and along the walls of the container. After mixing component A with component B, dilute the mixture with 5 - 10% v/v of pure water, for easier application and to adjust the viscosity. Allow the mixture to mature for a few minutes before use.

APPLICATION

For best results we recommend the application of two coats of **DECOR PU AQUA**. For the application use a roller but without leaving excess material. **DECOR PU AQUA** must penetrate well into the application surface. The second coat is applied 24 hours

DESCRIPTION

DECOR PU AQUA is a transparent, matte, polyurethane, two-component, water-based varnish, specially designed for the protection of microcement and other structural elements. It provides waterproofing, has excellent adhesion to the substrate and does not yellow. Its special formulation contains UV filters against UV radiation, thus protects the colors and styles of the surface. It is particularly recommended for indoor use as it is an odorless product that does not contain solvents.

FIELDS OF APPLICATION

Suitable for sealing and protecting any pressed cement mortar, cementitious substrates and natural stone. It is particularly recommended for the protection of DECOR cement mortar and the enhancement of its shades. It can be applied indoors and outdoors, on walls and floors subjected to light stress.

ADVANTAGES / CHARACTERISTICS

- Odorless product without solvents.
- Suitable for interior and exterior use.
- Polishes and protects.
- Resistant to water and neutral detergents.
- Resistant to UV radiation.
- Water vapor permeable.
- Does not peel.
- Easy and quick application.

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after the application of the first one, depending on the temperature conditions of application.

DRYING

Dries after 24 hours, so as not to stick. Cures completely after 7 days. Drying times refer to normal ambient conditions (25°C, 60% humidity).

RECOATABILITY

Each subsequent coat should be applied after 24 hours from the previous one.

APPLICATION TOOLS

Roller.

CLEANING OF TOOLS

With hot water and soap immediately after use. Do not empty washings into the groundwater.

APPLICATION TEMPERATURE

Do not apply the product at temperatures below 10°C or higher than 35°C. Do not apply before rain. During application the surface should not be in direct exposure to sunlight. Adverse conditions during, or shortly after application, may alter the final properties of the product.

RECOMMENDATIONS

The product **DECOR PU AQUA** is not recommended for use on floors with heavy traffic. Do not apply **DECOR PU AQUA** on old varnishes, on dirty surfaces, on surfaces with trapped or rising damp and on surfaces where impregnation products have been applied. Always use clean tools.

PRECAUTIONS

For information on the safe use, storage and disposal of the product, read the information on the label and in the most recent Safety Data Sheet before use. The Product Safety Data Sheet is available on request to professionals. Leftover materials should not be disposed of with household waste. Advice should be sought from local authorities on the disposal and collection of waste.

[Poisons Information Centre Tel. +30 210 77.93.777](tel:+302107793777)

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUES
Appearance / Color			Διάφανο (ματ)
Chemical composition			Polyurethane resins
Consumption (per layer)	(g/m ²)		125
Drying time (25°C, 60% υγρασία)	(h)		24
Final curing time (25°C, 60% υγρασία)	(Days)		7
Recoating time (25°C, 60% humidity)	(h)		24
Application temperature	(°C)		10 - 35
Dilution (with water)	(% v/v)		5 - 10

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TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUES
Adhesion	(N/mm²)	EN 1542	≥ 2,0
Capillary absorption (<i>w</i>)	(kg/m²·h^{0,5})	EN 1062-3	< 0,1
Water vapor permeability (<i>Sd =0,5m</i>)	(m)	EN ISO 7783-2	< 5 (Class II)
Artificial weathering (<i>after 2000h</i>)		EN 1062-11	No film alternation was observed

Note: The measurements were taken in laboratory environment under a temperature of 23±2°C, Relative Humidity 50 % and without ventilation. They may vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation and absorbability of the substrate.

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