



WATER BASED  
POLYURETHANE PROTECTIVE  
COATING

# PAVILAC DUR GOLD AGUA



## Description

Two-component protective coating composed of water-based aliphatic polyurethane resins that provides great resistance against bumps or scratches, specially created as a protection and finishing layer for our Microlanic microcements, although it allows to respond to all types of supports and surfaces intended for both interior as well as exterior. Its innovative formulation, composed of nano additives and VOC-free resins, make it a coating as effective as it is sustainable.

## Uses and fields of application

Two-component product, consisting of component A, which is presented in the form of a liquid, practically odorless, ready for mixing with component B, a catalyst that appears as a viscous liquid. Once applied on the support, it is transformed into a protective film with excellent adhesion, high resistance to abrasion and very good chemical resistance. Once mixed, it is suitable for covering and protecting floors and walls in commercial and residential spaces such as: Stores, offices, restaurants, lobbies, exhibition areas, homes, theme parks, garages, terraces, high-traffic commercial premises, industrial warehouses, countertops, bathrooms and kitchens etc. Given its high adhesion power on almost all types of surfaces such as micro-cement, concrete, self-leveling, mortar, epoxy resins and polyurethane resins, they make it the ideal solution for protecting pavements and coatings, both in new construction

and in renovation. , thus avoiding inconvenience and demolition costs of the previous materials without increasing levels.

## Properties

- Transparent protective lacquer for pavements and coatings, great hardness and durability.
- It is odorless, does not contain solvents and, therefore, can be used in closed or poorly ventilated environments.
- Uses in Interior and Exterior
- For pavements and coatings based on cement, microcement and concrete.
- Matte or satin effect. It does not present glazes.
- Great hiding power. Permanence of the support color.
- Good resistance to aging.
- High chemical resistance.
- Great resistance to abrasion and impact.
- Impervious to the passage of water, grease and oils. Not suitable for standing water or swimming pools.
- High mechanical resistance.
- Stable against ultraviolet rays. Does not yellow.
- High adherence to supports of any nature.
- Breathable.
- Insensitive to marine and corrosive atmospheres.
- Prevents the accumulation of bacteria and fungi.
- Greenbuilding Philosophy.



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## Special Cautions

- Do not apply below 10°C. Do not apply above 30°C.
- Do not apply with the risk of frost, strong winds or direct sun.
- Use gloves and protective glasses for its use.
- Keep out of the reach of children.
- The support must be dry (humidity less than 3%).
- Low temperatures or periods of more than 48 hours between coats can cause problems of coverage between layers.
- Supplies and tools will be cleaned with water immediately after use. Once hardened, the product can only be cleaned mechanically.
- Empty containers must be disposed of in accordance with current legislation.
- To improve protection, the SATIN FINISH can be applied on the first coat and then the desired version (satin or matte).

## Consumption

Consumption per layer is approximately 0.125kg per m2.

## Packaging

Supplied in:  
PART A 5-liter plastic bottle and PART B 0.5-liter plastic bottle.



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## APPLICATION RULES

### Support and support preparation

#### Substrates

- Pavements and coatings based on cement, microcement, concrete, epoxy resins and polyurethane resins.
- Bathrooms, toilets, showers, countertops as long as there is no stagnation of water.
- Interior and exterior.

#### Preparation of the substrate

- The base must be completely dry and free of humidity.
- Always and previously treat the surface or support with our Primer Dur (See technical sheet).
- Do not add any additive to the mixture.
- Application temperature: 10-30°C.

#### Product preparation

- Mix the two components homogeneously.
- If you apply it by roller, to improve its fluidity, mix the first coat of the prepared product with a maximum of 8% of clean water and a maximum of 5% of clean water for the remaining two coats.

#### Product application

- Roller application: Anti drop, short hair lacquer.
- Spray application: With 1.8 or 2 nozzle, 2.5 or 3 nozzle and 2.5 or 3 atm pressure).
- Airless application: 13-15 and 15-17 nozzles. - Once the PRIMER DUR sealant has been applied (diluted 1/1), apply 2/3 coats of PAVILAC DUR GOLD AGUA.

#### Recommendations

- The smoother the support, the better the varnish layers will resist wear and dirt as well as better waterproofing of the system.
- When varnishing between layers, you must enter with clean footwear or with covers that avoid dirt between layers.
- Do not apply in strong winds or direct rain water in outdoor cases.
- ECOLANIC is not responsible for possible damages in the form of fissures, cracks or stains resulting from misuse of the product, application or deficiencies in both direct and structural support.

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**Tecnical data**

<b>Consistency:</b>	A liquid B viscous liquid
<b>Colour:</b>	Semi-transparent liquid
<b>Density (g/cm³):</b>	A 1,1 B 1,14
<b>RSolid waste (%):</b>	A 40 B 95
<b>Brookfield viscosity α +23°C (mPa s):</b>	A 1350 (rotor 3 - 20 RPM) B 1100 (rotor 3 - 50 RPM)

**Application data**

<b>Mixing ratio:</b>	comp. A : 90% comp. B = 10%
<b>Mix consistency:</b>	viscous liquid
<b>Density of the mixture (kg/m³):</b>	1,1
<b>Brookfield viscosity of the mixture (mPa s):</b>	1200 (rotor 4 - 50 rpm)
<b>Mixing duration (min.):</b>	approx. 6 hours
<b>Permitted application temperature</b>	from +10°C to +30°C
<b>Initial cure:</b>	18-24 h/temperature
<b>Total cure:</b>	7 days
<b>Time for pedestrian traffic:</b>	24-48 hours/temperature
<b>Time for light traffic:</b>	5 days
<b>Time for heavy traffic:</b>	7 days
<b>Time for contact with water:</b>	7 days
<b>Dry time to touch:</b>	2-3 h/temperatures
<b>Interval between layers:</b>	6 horas approx. at 23°C and 50% relative humidity
<b>Maximum performance:</b>	30 days after its application
<b>Finishes:</b>	matte and satin

**Resistance Table (240 Hours). Final benefits**

<b>Distilled water</b>	unaltered
<b>Bleach</b>	unaltered
<b>Coffee</b>	normal
<b>Wine</b>	unaltered
<b>Coca cola</b>	unaltered
<b>Ammonia</b>	unaltered
<b>Neutral soap</b>	unaltered
<b>Environment Humidity 80% and 40°C</b>	unaltered

**Slip resistance UNE-ENV 12633: 2003 With microspheres:**

Class III

**Slip resistance UNE-ENV 12633: 2003 Without microspheres:**

Class I

**Capillary absorption and water permeability:**  $W < 0.1 \text{ Kg} / (\text{m}^2 * \text{h}0.5)$

**Color stability:** Excellent. Aliphatic, does not yellow outside.

**Unalterable at temperatures:** -30°C to 60°C

**VOC content in the ready-to-use product:**

(European Directive 2004/42 / EC) (g / l): ≤ 6



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**SAFETY AND HYGIENE INFORMATION**

For any information regarding safety issues in the use, handling, storage and disposal of chemical residues, users should consult the most recent version of the Product Safety Sheet. Empty containers must be disposed of in accordance with current legal regulations.

**STORAGE CONDITIONS**

-12 months from the date of manufacture, in original closed container and sheltered from the elements. The storage and transport of component B must be prevented at extreme temperatures (keep between 5°C and 30°C) to avoid possible damage to its composition. ECOLANIC will not be responsible for the misuse or storage of the product.

**NOTE:** The instructions for use are made according to our tests and knowledge and are not binding. They do not free the consumer from the examination and verification of the products for their correct use. The company's liability will be limited to the value of the merchandise used.

**Specification data**

Three-coat application of Ecolanic's PAVILAC DUR GOLD AGUA (MATT / SATIN), a two-component lacquer based on aliphatic polyurethanes without solvents, quick-drying, with high chemical and abrasion resistance. Satin or matte finish, for the protection of micro-cement, concrete, self-leveling, epoxy and polyurethane resins, after sanitation, cleaning and preparation of the substrate. In micro-cement substrates, previously apply Ecolanic PRIMER DUR primer.