

## VetroLiquido<sup>PRP</sup>



### TECHNICAL DATA VETROLIQUIDO PRP

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#### Product description:

VETROLIQUIDO PRP is a one-component transparent synthetic paint based on synthetic polymers and modified natural polymers, designed to protect the final decorative layer of Cemento 3D, MarmUra, Oxital Ruggine. It forms an almost neutral film that protects for a long time the coating made inside swimming pools, tubs, fountains, furniture, doors, environments with strong condensation, floors and walls.

#### Characteristic fields of application:

VETROLIQUIDO PRP is the ideal solution for the prolonged protection of continuous, vertical and horizontal, internal and external surfaces. The technology used to create VETROLIQUIDO PRP gives it the following physical and chemical characteristics:

- ✓ Good resistance to acid and basic solutions;
- ✓ Withstands high temperatures;
- ✓ Resists temperature changes;
- ✓ Resists chlorine and marine environments;
- ✓ Resists the aggression of ultraviolet rays and ozone;
- ✓ Good resistance to atmospheric agents
- ✓ Good resistance to environments with strong condensation;
- ✓ Reduces the formation of mold and algae;
- ✓ Resists chlorinated, ozonated and salty water.
- ✓ Resistant to abrasion and corrosion, it protects against mural graffiti;
- ✓ It substantially reduces bacterial proliferation, improving hygiene;
- ✓ Makes the treated surfaces hydrophobic and oleophobic;
- ✓ Reduces the adhesion of dirt and pollutants, facilitating cleaning, dustproof;

#### Preparation of the substrates:

The treated substrates must be dry and cured before applying VETROLIQUIDO PRP.

#### Methods of application:

LIQUID GLASS PRP is ready to use and does not require dilution.

1. **Internal and external floors and walls treated in 3D Cement and/or MarmUra:** apply a first layer of VETROLIQUIDO PRP using a short-haired roller and immediately after smooth the product with a stainless steel and/or plastic trowel, so as to eliminate any bubbles, after 12 hours at +20°C and R.H. 65%, proceed with the laying of the second layer as previously done.

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2. **Internal and external floors and walls treated with Oxital Rust:** apply a first layer of VETROLIQUIDO PRP using a short-haired roller and immediately afterwards smooth the product with a stainless steel trowel, after 12 hours at +20°C and R.H. 65%, proceed with the laying of the second layer as previously done.
3. **3) Furniture, doors, kitchen tops and furnishing accessories:** it is possible to use various tools for the application of VETROLIQUIDO PRP based on the texture to be treated, apply a first layer of VETROLIQUIDO PRP using the desired tool, after 12 hours +20°C and R.H. 65%, proceed with the laying of the second layer as previously done.
4. **Swimming pools, tubs, fountains:** it is possible to use various tools for the application of VETROLIQUIDO PRP based on the texture to be treated, apply a first layer of VETROLIQUIDO PRP using the desired tool, after 12 hours at +20°C and R.H. 65%, proceed with the application of the second layer as done previously, 24 hours later at +20°C and R.H. 65%, proceed with the laying of the third layer as done for the second.

#### Technical data:

- Color: transparent;
- Version: Satin 60 gloss and matt 20 gloss;
- Resistance: UV rays, non-yellowing;
- Wear resistance: high trampling resistance AR0.5;
- Dilution: ready to use;
- Yield:  $\pm 7/8$  m<sup>2</sup>/lt in two layers depending on the absorption and the application tool used;
- Drying at +20°C and R.H. 65%: Dust-free after 1 hour, to the touch at least 2 hours, in depth within 24 hours;
- Slip: DIN 51097 Class A method  $12^\circ \leq \alpha < 18^\circ$  - Anti-slip (DIN 51130): R11;
- Specific weight: 0.800 Kg/Lt  $\pm 0.05$  at 20°C;
- Spray application: With pressure equipment; nozzles 1.5–2 mm, pressure 3-4 bar, distance from the surface 15-30 cm;
- Airless spray application: nozzles with a hole of approx. 0.45. mm, pressure 180 bar; spray angle  $68^\circ \div 80^\circ$ , distance from the surface 15-30 cm;
- Cleaning of tools: with synthetic thinner;
- Packaging: 1 liter – 2.5 liters - (15 kg on request);
- Storage: 12 months in the original, well-closed packaging and in a cool, dry place;
- VOC classification (Legislative Decree 27 March 2006 n°161): Product exclusively for professional use;
- ADR/RID ground transport: the product travels in ADR;
- Customs Code 3208 9099: Paints based on synthetic polymers or modified natural polymers, dispersed or dissolved in a non-aqueous medium;
- UFI code: HXJ0-Q0P5-300V-WGDG

#### Important Notes:

Avoid application on surfaces excessively heated by the sun, on frozen substrates, with risk of frost or rain during drying. Apply with relative humidity lower than 65% and in any case at least 4 degrees above the dew point. It is possible to vary the dilution depending on the climatic conditions at the time of application, the application tool and the desired thickness. The times required to overcoat are significantly influenced by the thickness applied, the temperature and ventilation during drying; variations in these parameters could lengthen drying times. If drying times are not respected, the applied product may wrinkle, crack, form streaks or lift.

#### Use for swimming pools:

Maintain the characteristics of the pool water at optimal parameters even during periods of non-use, PH between 6.5 and 7.5, free active chlorine between 0.7 and 1.5 ppm, temperature between 18°C and 30 °C. Avoid contact of concentrated chemical products (ph correctors, disinfectants, etc.) directly with the

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covering. Shock chemical treatments of the chlorine-based type could reduce the life of the coating and compromise its aesthetics.

Recommended temperatures for application between +5°C and +35°C of both the support and the surrounding environment.

For correct drying it is recommended to apply thicknesses of up to 40 µm per coat. Filling of swimming pools, tubs, fountains etc. must take place once the finish has completely hardened, after at least 15 days at +20°C and R.H. 65%, from the application of the last layer; at lower temperatures, it is necessary to extend the commissioning times.

#### **Limitations on use:**

The worst damage is often caused by a lack of professionalism: the limits therefore turn out to be one's own knowledge, as well as the invincible attraction of some to sell at all costs. The feasibility study, the supports, the environment, the products and the safety of the construction site must be the main values that accompany the applicator in every process. Do not disdain drawing up a construction report with the client, where pre-existing defects in the work or, for example, difficulties in reaching some particular areas are highlighted a priori. The other limitations, the technical ones, refer to the humidity and temperature values of the environment and the support as already expressed. Experience with this technology has not yet revealed any application limitations worth noting; We remind you that these systems do not adhere to plastics and PVC sheets.

#### **Warranty:**

The current case history, following the constant monitoring of the basins treated with NWL TRASPARENTE and thanks to the feedback from our loyal applicators, allows us to guarantee a cycle duration of over 8 years at the date of revision of this document; recognized small imperfections that emerged over time which were restored during ordinary maintenance, normally scheduled every two years (one-day visit by the applicator before seasonal openings or periodic emptying of basins in extraordinary maintenance).

The data contained in these technical sheets refer to laboratory tests. The indicated indications and methods may be subject to changes over time according to possible improvements in production technologies. The application of the products takes place beyond our control as we cannot directly intervene on the conditions of the construction sites and on the execution of the works. All indications are of a general nature, they do not bind our company in any way and therefore the responsibility falls exclusively on the customer. A preventive test of the product is recommended in order to verify its suitability for the intended use. Our technical service is available to provide additional information.