Vetroliquido prp

TECHNICAL DATA VETROLIQUIDO PRP
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Description:

VetroLiquido PRP is a single-component, transparent, satin and matte synthetic paint based on synthetic polymers and modified natural polymers, designed to protect the final decorative layer of Cemento 3D, MarmUra, Hiridium, and ArchiMetal. It forms a virtually neutral film that provides long-lasting protection for coatings inside swimming pools, tubs, fountains, furniture, doors, areas with high levels of condensation, floors, and wall coverings.

Areas of use:

- VetroLiquido PRP is the ideal solution for the long-term protection of continuous surfaces, both vertical and horizontal, both internal and external.

Characteristics:

- The technology used to produce VetroLiquido PRP gives it the following physical and chemical properties:
- ✓ Good resistance to acidic and basic solutions;
- ✓ Resists high temperatures;
- ✓ Resists temperature changes;
- ✓ Resists chlorine and marine environments:
- ✓ Resists ultraviolet rays and ozone;
- ✓ Good resistance to atmospheric agents
- ✓ Good resistance to environments with high condensation;
- ✓ Reduces the growth of mold and algae;
- ✓ Resists chlorinated, ozonated, and salt water.
- ✓ Resistant to abrasion and corrosion, protects against graffiti;
- ✓ Substantially reduces bacterial growth, improving hygiene;
- ✓ Makes treated surfaces hydrophobic and oleophobic;
- ✓ Reduces the adhesion of dirt and pollutants, making them easier to clean and dustproof.

Preparation of the substrates to be treated:

- Substrates must be dry, solid, free of dust, paint, wax, oil, loose particles, and seasoned.
- We recommend contacting our technical support team to ensure a perfect base before starting work.

Preparing VetroLiquido PRP:

- VetroLiquido PRP is ready to use and does not require dilution;
- Stir the product thoroughly before use.

Preparing and applying VetroLiquido PRP:

- VetroLiquido PRP is ready to use and does not require dilution.

1. Apply a first coat of VetroLiquido PRP using a short-haired roller (mohair) over approximately 1/2 m² and then immediately smooth the product with a stainless steel trowel to eliminate any bubbles;
2. Let the product dry for 12 hours (+20°C);
3. Apply a second coat of VetroLiquido PRP as described for the first;
4. Let the product dry for 48 hours (+20°C).

Technical data:

- Color: Characteristic;
- Version: Satin 60 gloss and matte 20 gloss;
- Resistance: UV-resistant, non-yellowing;
- Wear resistance: High resistance to trampling AR0.5;
- Dilution: Ready to use;
- Coverage: ±7-8 m²/l for two coats depending on absorption and application tool used;
- Drying at +20°C and 65% RH: Dust-free after 1 hour, touch-free after at least 2 hours, thoroughly dry after 24 hours;
- Slip resistance: DIN 51097 Class A method $12° \leq \alpha < 18°$ - Non-slip (DIN 51130): R11;
- Specific weight: 0.800 kg/l ± 0.05 at 20°C;
- Spray application: With pressure equipment; 1.5–2 mm nozzles, 3–4 bar pressure, 15–30 cm distance from the surface;

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- Airless spray application: nozzles with an approx. 0.45 mm orifice, 180 bar pressure; 68°–80° spray angle, 15–30 cm distance from the surface;
- Tool cleaning: with synthetic thinner;
- Packaging: 2.5 L and 1 L (15 kg upon request);
- Storage: 12 months in the original, tightly closed containers in a cool, dry place;
- VOC classification (Legislative Decree 161 of 27 March 2006): Product for professional use only;
- Land transport: ADR/RID: The product travels in ADR containers;
- 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, or where there is a risk of frost or rain during drying;
- Apply when relative humidity is below 65% and at least 4 degrees above the dew point;
- Overcoating times are significantly affected by the thickness applied, the temperature, and ventilation during drying; variations in these parameters could extend drying times;
- Failure to adhere to the drying times correctly may result in the applied product wrinkling, cracking, streaking, halos, discoloration, or lifting.

Swimming Pool Use:

- Maintain optimal pool water characteristics even during periods of non-use;
- Water 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 direct contact of concentrated chemicals (pH adjusters, disinfectants, etc.) with the coating;
- Chlorine-based chemical shock treatments could reduce the coating's lifespan and compromise its aesthetics.
- Recommended application temperatures are between +10°C and +30°C for both the substrate and the surrounding environment.

Limitations of use:

- The worst damage is often caused by a lack of professionalism: the limitations therefore lie in one's own knowledge;
- A feasibility study of the substrates, the environment, the products, and site safety must be the primary considerations for the applicator in every application;
- It is advisable to draw up a site report with the client, highlighting any pre-existing defects in the work or, for example, difficulties in reaching certain areas;
- Other limitations, the technical ones, are based on the humidity and temperature of the environment and the substrate, as already mentioned;
- Experience with this technology has not yet revealed any application limitations to be noted. Please note that these systems do not adhere to plastics and PVC sheeting.

For proper drying, we recommend applying a thickness of up to 40 µm per coat. Filling of swimming pools, basins, fountains, etc., must occur after the finish has fully hardened, at least 15 days after application of the final coat at +20°C and 65% RH; at lower temperatures, the application time must be extended.

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