

High quality water-based enamel

DESCRIPTION

Waterborne glossy enamel suitable for painting systems of interior and exterior structures, water-impermeable, easy to apply, ideal for professional use as it is extremely compatible and has excellent adhesion properties, filling and covering powers on various types of substrate. It guarantees an extremely uniform finish with extraordinary resistance to atmospheric agents and mechanical stress, which are indispensable for the duration of the applications, and useful for protecting the structure over time.

Thanks to its excellent quality, effective aesthetic and technical solutions can be obtained for various painting requirements offering excellent finishing results with maximum protection and colour resistance in exterior environments, even in severe exposure conditions. The properties of this film which include elasticity and wear resistance, ensure that it maintains its appearance while remaining stable and that it is also able to withstand the stress created by the dimensional variations of the substrate in response to the varying of climatic conditions.

It is formulated with photostable pigments and acrylic resins in aqueous dispersion which guarantee maximum resistance to UV rays and high protection in severe conditions of exposure to atmospheric agents and sunlight, with a non-yellowing enamel coating.

It also guarantees good penetration of the wood pores with minimum swelling of the wood fibre so that it can be used directly on impregnating agents. It has excellent adhesion properties when applied directly on different materials.

Its good spread rate and low tendency to run and mean that it can be easily applied with manual or mechanical tools which guarantee a finish characterized by excellent visual consistency, even thickness and good coating of the corners, both in professional and in do-it-yourself applications, and thanks to its rapid drying times, painting time is reduced.

Thanks to its extreme fineness, it is ideal for interior applications. The tough film, which is highly resistant to the penetration of stains and dirt and to washing, generates surfaces that can resist high abrasion levels and can be easily cleaned with commercial detergents and antibacterial detergents (reaches maximum resistance 5 days after application).

Being odourless, it is particularly suitable for poorly ventilated areas. It is formulated with raw materials selected for their low environmental impact, guaranteeing reduced pollution and minimum emissions, so as to preserve the well-being and safety of its users and of those living in the environment.

WATER RESISTANCE

The product is dried and cured completely in 5 days under optimum conditions (+15 + 30 ° C with support humidity <10% and relative air humidity <65%).

Work out the product after 4-5 days of stabilization to avoid contact with rainwater or condensation (in the case of fog or moisture above 85%) before full polymerization that could result in veiling or blistering. This phenomenon, of a temporary nature, does not affect the resistance of the product and will disappear with exposure under normal conditions after complete drying.

COMPOSITION

Pigmented product formulated with alkyd resins and urethane long oil in solvent phase

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PROPERTIES OF DRIED FILM

| | Class EN13300 | Method | Value |
|---|--------------------------|----------------------|--------------------------------|
| Opacity level (Contrast ratio) | 2 (5 m ² /l) | UNI EN ISO 6504-3 | ≥ 98 e < 99.5 % |
| Gloss | Brilliant | UNI EN ISO 2813 | ≥ 60 |
| Dirt retention | Very low | UNI 10792 | ΔL ≤ 3 |
| Wet scrub resistance | 1 | UNI EN ISO 11998 | L _{dft} < 5 μ |
| Adhesion | | interior PF16 | EXCELLENT |
| Solid by weight | | interior PF25 | White |
| Drying time | | interior PF2 | recoatable 4h; fully 5 days |

PERFORMANCE DATA

| | | | |
|------------------------|--|--------------|---|
| Specific weight | | interior PF3 | 1000-1250 g/l, depending on the color |
| Gloss | | interior PF6 | 70 - 80 |

SHELF LIFE

1 year minimum, stored in its unopened original can at temperatures between +5°C and +30°C.

COLOUR RANGE

White.

The range of colours can be extended using the *Tintoretto*, *Tucano*, *Area 115*, *Spazio 100*, *RAL K7* and *NCS*.

The colours can be produced with the Arreghini Colors 16 system. Between one production run and the next, the colour may be slightly different, so it is necessary to finish the job with the same production run.

TYPICAL USE

It is ideal for decorating and protecting, from atmospheric agents, new structures or structures undergoing maintenance and that have alkaline substrates such as plasters with different compositions (cement, common lime, pre-mixed, skim coat plaster for exterior insulation), concrete and fibrocement, in rural, marine or industrial environments. Strong colours may also be used. The product is not to be used for application on structures that need to be stacked. On plaster skins or filler, assess the suitability of the application cycle. On exterior surfaces subject to biological pollutants, such as mould, seaweed and moss, add 350 ml of B25 for every 14 litres of paint.

Tools should be washed with water immediately after use.

TOOLS

Roller, Brush, Spray.

THINNING

5-15% by volume with water

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COVERAGE 10-12 m²/l per coat.

APPLY +15°C +30°C

COATING SYSTEM

The treatment of the surface to be coated is of primary importance and affects the performance of the coating cycle.

A good and correct preparation of the substrate is a guarantee of quality on the duration of the coating: a high quality product applied on a poor substrate or on substrate inadequately treated is destined to an early wear, characterized by possible alteration of the coating itself.

New artefacts made of different wood species excluding those with very obvious and deep pores such as iroko, mahogany, meranti and marine plywood

- 1.1 Sandblast the wood with 220-250 grit sandpaper;
- 1.2 Apply a layer of *Opakite W*, to obtain a total thickness of 100-120 µm when wet;
- 1.3 After 6 hours brush or sandblast with 240-280 grit sandpaper;
- 1.4 Apply two layers of *Hydrocap Lucido* wait for 3-4 hours between one layer and another.

Different wood species with very obvious and deep pores such as iroko, mahogany, meranti and marine plywood

- 2.2 Sandblast the wood with 220-250 grit sandpaper;
- 2.2 Apply a layer of *white Classic W*;
- 2.3 After 4-6 hours proceed as from point 1.2 onwards.

Wood of different species containing tannin or other colouring substances such as oak, chestnut, hemlock and Russian larch

- 3.2 Sandblast the wood with 220-250 grit sandpaper;
- 3.2 Apply a layer of *Riplast F99*;
- 4.1 After 2 hours proceed as from point 1.2 onwards.

Iron

- 4.1 If it is a new artefact, clean and degrease the surface with *Nitro NV 5000* if working on the maintenance of an old artefact, remove with a brush, scraper or sandpaper any flaking paint and rust.
- 4.2 If it is a new artefact, a dry surface apply two layers of *Chromocap W* to obtain a thickness of 70 µm when dry. Wait for 8 hours between one layer and another; if working on the maintenance of an old artefact, apply a layer of *Chromocap W* in the areas of interest.
- 4.3 After 4-6 hours apply two layers of *Hydrocap Lucido* at 8h intervals.

Galvanized iron

5.1 If the item is new, it is important to remember that galvanised sheet metal must be passivated by leaving it exposed to the weather for at least two to three months. Then proceed with light sanding to remove the oxidative surface patina formed and degrease the surfaces with *Nitro NV 5000* thinner. Alternatively, light silica sandblasting is recommended.

Then apply two coats of *Hydrocap* 4 hours apart.

5.2 If working on the maintenance of an old artefact, remove with a brush,

scrapper or sandpaper any flaking paint and rust, apply a coat of *Chromocap W* in the areas of interest and after 6-8 hours, apply two coats of *Hydrocap Lucido* at 8h intervals.

Aluminium, light alloys, plastic

- 6.1 Perform a light sanding with P180 P220 sanding paper. Clean the surface to be treated with Nitro NV 5000 thinner and make sure it is dry and free from silicone, waxes, greases and foreign substances in general.
- 6.2 If it is a new artefact, clean and degrease the surface with Nitro NV 5000, a dry surface apply two coats of *Hydrocap Lucido* at 4h intervals.
- 6.3 If working on the maintenance of an old artefact, remove with a brush, scrapper or sandpaper any flaking paint and apply two layers of *Hydrocap Lucido* at 4h intervals.

NB In the case of plastic material, given its variability, it is advisable to carry out specific tests of adhesion of the product on the material.

SPECIFICATION ITEM

Acrylic glossy enamel in aqueous dispersion with solid residue 47% (white), resistant to UV rays and ideal for protecting new structures or structures undergoing maintenance that have mineral wall substrates such as plasters with different compositions, concrete and fibrocement, in rural, marine or industrial environments, at an average total consumption rate of 220 ml/m². Complies with the requirements of Reg. 852/2004/EC.

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23 °C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary.