

ECOPLAST 1000 SATINATO

Water-based enamel for wood

CHARACTERISTICS

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, elements indispensable for the duration of the applications, and useful for protecting the structure over time.

Thanks to its high quality, effective aesthetic and technical solutions are obtainable for various painting requirements offering an excellent level of finishing with maximum protection and colour resistance in exterior environments, even in difficult climates.

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 natural 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 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 is formulated with raw materials selected for their low environmental impact, that guarantee minimum emissions, so as to preserve the well-being and safety of its users and of those living in the environment.

RESISTANCE TO WATER

The product dries and polymerises completely in max 5 days in optimal conditions (+15 +30°C with substrate humidity <10% and relative air humidity <65%).

Expose the product after at least 5 days of stabilisation to avoid contact with rainwater or condensation (in the case of fog or humidity above 85%) before complete polymerisation.

PROPERTIES OF THE DRIED FILM

	Value	Method
RESISTANCE TO ATMOSPHERIC AGENTS	EXCELLENT	
DRYING	FAST	
FILLING POWER	HIGH	
ELASTICITY	EXCELLENT	
ADHESION TO A WIDE VARIETY OF MATERIALS	HIGH	
DRY RESIDUE BY WEIGHT	46-50%	Internal PF23
DRYING	Dry to recoat 6h; Fully dry 5 days	Internal PF2

SPECIFICATIONS

	Value	Method
SPECIFIC WEIGHT	White: 1200-1300 g/l; Coloured: 1000-1200 g/l	Internal PF3

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	GLOSS	30-40	Internal PF6
	CONTRAST	White: 95-99%	Internal PF11

COLOURS

White, Ral 6005, Ral 6009. The range can be extended in the shades of the Area 115, Spazio 100, Tucano, Tintoretto (for interior), NCS and Ral (for exterior and interior).

Between one production run and the next, the shade may be slightly different, so it is necessary to finish the job with the same production run.

STORAGE

The product should be stored in its original containers at temperatures of between +5°C and +30°C.

HOW TO USE

It is ideal for decorating and protecting, from atmospheric agents in rural, marine or industrial environments, new structures or structures undergoing maintenance with different types of wooden surfaces such as doors, windows and fixtures in general. Strong colours may also be used.

Highly run-resistant, it can be applied thickly in a single coat with drying times that guarantee rapid painting times.

If the product has been stored at low temperatures, allow it to reach a temperature of at least +15 °C before applying.

During application and drying time, the temperature should be higher than +15°C and the humidity of the air lower than 65%; it is also important for the environment to be well-ventilated in order to facilitate water evaporation.

TOOLS

Brush, roller, aircoat spray.

THINNING

0 -10% in volume con acqua.

COVERAGE

3.5-4.5 m²/l per coat

APPLICATION TEMPERATURE

+15°C +30°C

Remember that applying thicker coats of paint than those indicated or different environmental conditions can cause a lengthening of the indicated drying times, as the evaporation of the water slows down.

Drying can be done at ambient temperature or with a hot air tunnel (+35°C +50°C).

It can be used with a brush or sponge, diluted to 25-30% by volume with water in one or more layers to obtain finishes that highlight the wood grain of beams, beads, plates, etc..

PAINTING SYSTEMS

New structures made of various types of wood excluding those with very obvious and deep pores such as iroko, meranti mahogany, marine multilayer plywood

1.1. Sandpaper the wood with 220-250 grit abrasive paper.

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- 1.2. Apply a coat of *Opakite W* at a thickness of 100-120 wet μm .
- 1.3. After 6 hours, brush or sandpaper with 240-280 grit abrasive paper.
- 1.4. Apply a coat of *Ecoplast 1000 Satinato* at a thickness of 230-270 wet μm .
Ecoplast.

Opakite W may be replaced with *Ecoplast 1000 Satinato*.

Various types of wood with very obvious and deep pores such as iroko, meranti mahogany, marine multilayer plywood

- 2.1. Sandpaper the wood with 220-250 grit abrasive paper.
- 2.2. Apply a coat of *Classic W Bianco*.
- 2.3. After 4-6 hours, proceed as per point 1.2 on.

Wood of different kinds containing tannin or other colouring substances such as oak, chestnut, hemlock, Siberian larch

- 3.1. Sandpaper the wood with 220-250 grit abrasive paper.
- 3.2. Apply a coat of *Riplast F99*.
- 3.3. After 12 hours, proceed as per point 1.2 on.

The artifacts, where there are cracks due to the growth and shrinkage movements of the wood, have to be sealed with suitable products (acrylic sealants) before being painted.

Iron

- 4.1 If working on a new artefact, clean and degrease with thinner *Nitro NV 5000*; if in maintenance of an old artefact, remove by using a brush, scraper or sandpaper any flaking paint and rust;
- 4.2 If working on a new artefact, apply two layers of *Chromocap W* to obtain a thickness equal to 70 μm when dry, wait 4-6 hours between each layer; if in maintenance of an old artefact, apply one layer of *Chromocap W* in the areas of interest.
- 4.3 After 6-8 hours, apply *Ecoplast 1000 Satinato* to obtain 70 μm when dry.

Hot-dip galvanised steel

Importante ricordare che la lamiera zincata deve essere passivata lasciando i manufatti esposti agli agenti atmosferici per almeno due tre mesi; procedere poi con una leggera carteggiatura per eliminare la patina ossidativa superficiale formatasi e, sgrassare le superfici con diluente *Nitro NV 5000*.

In alternativa si consiglia una leggera sabbiatura silicea.

- 5.1 If working on a new artefact, accurately clean and degrease the surface with *Nitro NV 5000* and, after 2-3h apply *Ecoplast 1000*;
- 5.2 If in maintenance of an old artefact, remove with scrapers, brushes or abrasive paper any flaking paint and rust, apply one layer of *Chromocap W* in the areas of interest and after 6-8 hours apply *Ecoplast 1000 Satinato* to obtain 70 μm when dry.

Aluminium, alloys, plastics

Sand lightly with P180-P220 sandpaper. Clean the surface to be treated well with *Nitro NV 5000* thinner and make sure it is dry and free of silicone, waxes, grease and foreign substances in general.

- 6.1 If working on a new artefact, accurately clean and degrease the surface

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with Acetone per Lavaggio and, after 2-3h apply *Ecoplast 1000 Satinato*;

6.2 If in maintenance of an old artefact, remove with scrapers, brushes or abrasive paper any flaking paint and rust apply one layer of *Ecoplast 1000 Satinato*.

N.B. In the case of plastic material, given the variety of its behaviour, it is advisable to carry out specific tests of adhesion of the product on the material.

New surfaces of cement plaster, cement-lime plaster, reinforced concrete, precast concrete

7.1 Clean by pressure washing from all impurities such as dirt, moss, mould, cast-off agents;

7.2 On a dry surface apply one coat of Murisol or Murisol W;

7.3 After 5-8h, apply two coats of *Ecoplast 1000 Satinato* 6h apart.

Maintenance on old paintwork

8.1 Remove loose paint, efflorescence or other loose residues or crumbling material with brushes and scrapers and wash with a high-pressure cleaner;

8.2 Restore any missing parts of the plaster with K29 if the repairs are small; otherwise, for large thicknesses, use skimming plaster 50 or 501.

8.3 After 24 hours if you use K29 or 14 days if you use skim coat 50 or 501, treat with B1 if biological pollution from mould, algae, moss is present; then proceed as per point 7.2.

SPECIFICATION ITEM

Acrylic enamel for wood with a solid residue of 48% resistant to UV rays, ideal for aircoat spray applications with a consumption rate of 250 ml/m² for the protection of structures both internally and externally, applied either directly or on pre-treated wood with pigmented primer.

INSTRUCTIONS

To carry out the work in a workmanlike fashion, it is of fundamental importance to follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books, in the application cycle and in the product data sheet.

This technical information is intended as a rough guide. Adapt the instructions to the specific conditions of use. 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 one operation and the next vary.

Our recommendations on the use of the product are based on accurate observations and research carried out by us. The experience gained in practice was also taken into consideration. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and its effectiveness by testing on the specific case.