

**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 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 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 4-5 days in optimal conditions (+15 +30°C with substrate humidity <10% and relative air humidity <65%).

Install the structure after 4-5 days of stabilization in order to avoid contact with rainwater or condensate (in the case of fog or humidity superior to 85%) prior to complete polymerization which could cause fogging or blistering. This phenomenon, which is of a temporary nature, does not affect the resistance of the product and disappears through exposure in normal conditions, after complete drying.

**PROPERTIES OF THE DRIED FILM**

RESISTANCE TO ATMOSPHERIC AGENTS	EXCELLENT
DRYING	FAST
FILLING POWER	HIGH
ELASTICITY	EXCELLENT
ADHESION TO A WIDE VARIETY OF MATERIALS	HIGH

**SURFACE APPEARANCE**

SMOOTH SATIN

**COLOURS**

White, Ral 6005, Ral 6009. The range of colours can be extended using the Tintoretto sample books (for interiors) and Ral (for exteriors and interiors).

The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch. The product may be coloured using the *Arreghini Colors 16* and *Arreghini H<sub>2</sub>O* systems (see Tintometric Systems catalogue).

**TECHNICAL DATA****SPECIFICATIONS**

SPECIFIC WEIGHT	White: 1200-1300 g/l; Coloured: 1000-1100 g/l
GLOSS	30-40

DRYING  
CONTRAST

Dry to recoat 3h; Fully dry 24h  
95-99%

**NON-VOLATILE MATTER BY WEIGHT**

46-50%

**STORAGE**

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

**HOW TO USE****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. 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 ..

**TOOLS**

Aircoat spray-gun.

**THINNING**

Ready to use.

**COVERAGE**

3.5-4.5 m<sup>2</sup>/l per coat

**APPLICATION TEMPERATURE**

+15°C +30°C

**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.

1.2. Apply a coat of Ecoplast F20 Pigmentato 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 F20 Pigmentato 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 2-3 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 5-6 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 Acetone per Lavaggio; 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 mm 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 mm when dry.

**Galvanized iron**

- 5.1 If working on a new artefact, accurately clean and degrease the surface with Acetone per Lavaggio 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 mm when dry.

**Aluminium, alloys, plastics**

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

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**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/m<sup>2</sup> for the protection of structures both internally and externally, applied either directly or on pre-treated wood with pigmented primer.

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**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

PRODUCT DATA SHEET

## **ECOPLAST 1000**

Water-based enamel for wood



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testing on the specific case.