

DESCRIPTION

Enamel suitable for painting systems of different types of artefacts, waterproof, easy to apply, ideal for professional use, with high compatibility and adhesion characteristics, filling and covering power on different types of substrate. It ensures a finish characterised by high uniformity and formidable mechanical and weather resistance, which are essential elements for the durability of the applications, useful for safeguarding the artefact over time.

Thanks to its high quality, it is the aesthetic and technical answer to the various painting requirements with an excellent level of finish and maximum protection and resistance of the colour outdoors, even in situations of severe exposure.

The characteristics of adequate elasticity, resistance to scratching and wear generate a film that remains stable, attractive and resistant even to natural stresses due to the dimensional variations of the substrate as climatic conditions change.

It is formulated with light-stable micaceous iron oxide, which exerts a special barrier effect, and synthetic alkyd resins modified in the solvent phase, which guarantee high protection outdoors under conditions of strong exposure to atmospheric agents and sunlight. It provides excellent adhesion on surfaces such as pre-painted wood, hard plastics, light alloys, galvanised iron and aluminium.

The properties of adequate flow and low tendency to dripping allow applications with manual or mechanical tools that ensure a highly homogeneous aesthetic finish, uniform thickness and adequate coverage of the edges, both in professional and "do-it-yourself" applications.

PROPERTY OF THE PRODUCT

	Value	Method
Resistance to weathering	GOOD	
Impact resistance	GOOD	
Rust resistance	EXCELLENT	
Adhesion on old paintings	GOOD	
Coverage of edges	EXCELLENT	
Solid by weight	67-71%	Internal PF25
Drying time	recoatable 24h; fully 5 days	Internal PF2

SPECIFICATION DATA

	Value	Method
Specific weight	1425-1525 g/l	Internal PF3
Contrast	95-99	Internal PF11

SHELF LIFE

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

COLOUR RANGE

Base grey. The colours in the specific folder can be produced with the Arreghini Colors 16 system. Between one production and another the colour may be slightly different, therefore it is necessary to finish the job with the same production.

TYPICAL USE

It is suitable for the decoration and protection from atmospheric agents in rural, marine or industrial environments (even with intense colours) of new items or items undergoing maintenance such as furniture, door and window frames, railings, iron trusses suitably pre-treated, and galvanised iron, aluminium, alloys, plastic, without prior priming directly on the surface.

The thickness recommended for good protection depends on the aggressiveness of the environment and the application must always be carried out on a perfectly clean support. High layer thicknesses and unfavourable environmental conditions slow down drying and deep curing. Make sure that the previous coat is well dried before overcoating.

Overcoat within 72 hours to ensure good adhesion, otherwise sand between coats.

Tools should be washed with Acquaragia VD 100 immediately after use.

Dust from sanding and/or spraying and dry paint residues must not be allowed to accumulate because they cause self-combustion.

The actual temperature during application must be at least 3°C above the dew point and the relative air humidity must not be >65%.

TOOLS

Roller, Brush, Spray

THINNING

Up to 7% by volume with *Acquaragia-VD 100*

COVERAGE

12-14 m²/l (dry thickness of 35 µm)

APPLY

+5°C +30°C

COATING SYSTEM

A single coat directly on the substrate. Overcoat with water-based finishes.

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.

Protection of iron artefacts such as railings, carpentry in general in rural and urban atmosphere

System 1

1.1 Prepare the cleaned and degreased ferrous surface with *Acquaragia-VD 100*;

1.2 Apply two layers of *Chromocap* waiting 50 'between one layer and the other with a thickness of 70 mm dried;

1.3 After 12h apply two layers of *Unifercap Medio* waiting 18 24 hours between one layer and another with a thickness of 70 mm dried.

Maintenance

1.1M Remove the flaking paint and rust with scraper, brushes or abrasive paper and apply *Chromocap* on the interested area;

1.2M After 12h, with 180 220 abrasive paper, sand the entire surface and proceed as in point 1.3.

System 2

1. Prepare the ferrous surface with SA2 sandblasting

2. Apply one layer of *Epoxy Zinc 1K* with a thickness of 70 mm dried;

3. After 8h apply *Unifercap Medio* with a thickness of 70 mm dried in two layers interspersed with 24h.

Maintenance

- 1M Remove with scrapers, brushes and sand with abrasive paper or sandblast the peeling paint and the rust;
- 2M Apply one layer of *Epox Zinc 1K* on the interested area;
- 3M After 8h, with 180 220 sandpaper, sand the entire surface and proceed as in point 3.

For adequate protection in marine and light industrial atmosphere apply 100 mm dried of antirust plus 70 mm dried of enamel.

For adequate protection in marine and light industrial atmosphere apply 130 mm dried of antirust plus 70 mm dried of enamel.

The application of the mentioned products can be done with the different methods marked on the corresponding technical data sheets

Protection of galvanized iron products

3.1 It is important to remember that the galvanized sheet must be passivated leaving the products exposed to atmospheric agents for at least two months; then proceed with a light sanding to remove the superficial oxidation patina formed and degrease the surfaces with *Nitro NV 5000* thinner.

Alternatively, a light silica sandblasting is recommended.

3.2 On dry substrate apply a layer of *Unifercap Medio* interspersed with 18 24h.

Protection of manufactured artifacts in aluminum, light alloys, plastic

3.3 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.

3.4 On dry substrate apply a layer of *Unifercap Medio* interspersed with 18 24h.

Maintenance on aluminum, alloys, plastic

4.1 Remove the flaking paint with scrapers, brushes or abrasive paper and wash.

4.2 Apply one layer of *Unifercap Medio* with a thickness of 70 mm dried.

Maintenance of a rusty ferrous and galvanized product

5.1 Remove the flaking paint and the rust with scrapers, brushes or abrasive paper;

5.2 Apply a layer of *Chromocap* to the interested area;

5.3 After 12h, apply *Unifercap Medio* on the whole surface.

**SPECIFICATION
ITEM**

Alkyd-acrylic water-base enamel containing micaceous iron oxide, ideal for decorating and protecting, from atmospheric agents in rural, marine and industrial environments, new structures or structures undergoing maintenance such as furnishings, doors and windows, railings, trestles with appropriately pre-treated substrates made of iron, galvanized iron, aluminium, alloys and plastic, directly on

PRODUCT DATA SHEET
UNIFERCAP MEDIO

Micaceous enamel



the structure without the use of primers, at a consumption rate of 155 ml/m^2 (225 g/m^2).

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 $+23^\circ\text{C}$ 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.