

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 substrates. It ensures a finish characterised by high uniformity and formidable mechanical and weather resistance, indispensable elements for long-lasting applications, useful for safeguarding the artefact over time.

Thanks to its high quality, it represents the aesthetic and technical solution to various painting requirements with an excellent level of finish and maximum protection and resistance of the colour outdoors, even under severe exposure conditions.

The characteristics of adequate elasticity, scratch and wear resistance guarantee a film that remains stable, beautiful and resistant even to natural stresses due to the dimensional variation of the substrate as weather conditions change.

It is formulated with light-stable, coarse-grained micaceous iron oxide, which offers a special barrier effect, and modified solvent-phase alkyd resins, which provide high protection outdoors under conditions of strong exposure to weathering and sunlight. It has exceptional adhesion on surfaces such as pre-painted wood, hard plastics, light alloys, galvanised iron, aluminium.

The properties of adequate flow and low tendency to run allow applications with manual or mechanical tools that ensure a highly aesthetically homogeneous finish with uniform thickness and adequate edge coverage in both professional and DIY applications.

COMPOSITION

Product formulated with solvent-phase alkyd resins, micaceous iron oxide and lightfast pigments.

PRODUCT PROPERTIES

	VALUE	METHOD
WEATHERING RESISTANCE	GOOD	
IMPACT RESISTANCE	GOOD	
CORROSION RESISTANCE	EXCELLENT	
ADHESION ON OLD PAINTWORK	GOOD	
EDGE COVERAGE	EXCELLENT	
DRY RESIDUE BY WEIGHT	67-71%	Internal PF25
DRYING	Overlapping 24h; Complete 5 days	Internal PF2

SPECIFICATIONS

	VALUE	METHOD
SPECIFIC WEIGHT	1350-1525 g/l	Internal PF3
COVERAGE	95-99%	Internal PF11

STORAGE

The product is stable 1 year if stored in the original containers at a temperature between +5°C and +30°C.

COLOURS

As per specific folder. 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.

APPLICATION

It is suitable for the decoration and protection from atmospheric agents in rural, marine or industrial atmospheres, also with intense colours, of artefacts such as furniture, door and window frames, railings, trellises, new or undergoing maintenance, in iron, suitably pre-treated, and in galvanised iron, aluminium, alloys, plastic, without prior priming, directly on the artefact.

The thickness recommended for good protection depends on the aggressiveness of

the environment and application must always be carried out on a perfectly clean substrate. High layer thicknesses and unfavourable environmental conditions slow down drying and deep curing. Make sure the previous coat is well dried before overcoating; overcoat within 72 hours to ensure good adhesion, otherwise sand between coats.

Tools are 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 spontaneous 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.

DILUTION

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

YIELD

12-14 m² /l for 35µ m dry

APPLICATION TEMPERATURE

+5°C +30°C

PAINTING SYSTEM

The treatment of the surface to be coated is of primary importance and has an impact on the performance of the coating cycle.

Good and correct preparation of the substrate is a quality guarantee on the durability of the coating: a high quality product applied on a poor substrate or one that has been treated inadequately is destined to wear out prematurely, characterised by possible deterioration of the coating itself.

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

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 each layer for a thickness of 70µm dry;
- 1.3 After 12 hours, apply two *Unifercap* layers, waiting 24 hours between each layer for a thickness of 70µm dry.

Maintenance

- 1.1M Use scrapers, brushes or sandpaper to remove peeling paint and rust and apply *Chromocap* to the affected area;
- 1.2M After 12h, sand the entire surface with 180-220 grit paper and proceed as in 1.3.

System 2

1. Prepare the ferrous surface with SA2 sandblasting.
2. Apply a layer of *Epoxy Zinc 1K* to a thickness of 70µ m dry;
3. After 8h apply *Unifercap* for 70µ m dry in two coats 24 h apart.

Maintenance

- 1M Remove peeling paint and rust with scrapers, brushes and sandpaper;
- 2M Apply a layer of *Epoxy Zinc 1K* to the affected area;
- 3M After 8h, sand the entire surface with 180-220 grit paper and proceed as in step 3.

For adequate protection in marine and light industrial atmospheres, apply 100µm (dry) of rust inhibitor plus 70µm (dry) of enamel.

For adequate protection in marine and heavy industrial atmospheres apply 130µm (dry) of anti-rust plus 70µm (dry) of enamel.

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

Protection of galvanised iron artefacts

2.1 It is important to remember that galvanised sheet metal must be passivated by leaving them exposed to the weather for at least two to three months; then proceed with light sanding to remove the surface oxidative patina formed and degrease the surfaces with *Nitro NV 5000* thinner.

Alternatively, a light silica sandblasting is recommended.

2.2 On dry substrate, apply one or more coats of *Unifercap* at 24h intervals.

Protection of aluminium, light alloys, plastic products

3.1 Carry out light sanding 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.

3.2 On a dry substrate, apply one or more coats of *Unifercap* at 24h intervals.

Maintenance on aluminium, alloys, plastics

4.1 Use scrapers, brushes or abrasive paper to remove peeling paint and wash it off.

4.2 Apply one or more coats of *Unifercap*.

Maintenance of a rusty ferrous and galvanised artefact

5.1 Remove peeling paint and rust with scrapers, brushes or sandpaper;

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

5.3 After 12 hours, apply one or more coats of *Unifercap* over the entire surface.

SPECIFICATION ITEM

An iron-micaceous alkyd enamel with good impact and weather resistance, suitable for decoration and protection against weathering in rural, marine or industrial atmospheres of new or maintained artefacts such as furniture, door and window frames, railings, latticework based on suitably pre-treated iron substrates, and galvanised iron, aluminium, alloys, plastic, without prior priming directly on the artefact with an average consumption of 155 ml/m² (225 g/m²).

WARNINGS

In order to carry out the work in a workmanlike manner, it is essential to follow the surface preparation instructions in the CAP Arreghini books.

Specification data were determined at +23°C with 65% relative humidity of the environment. Under different conditions, data and times between operations vary.

The technical information contained herein is indicative only. Due to the enormous variety of substrates and application conditions, it is recommended to check the suitability of the product and its effectiveness by means of tests carried out on the specific application.