

**DESCRIPTION**

Anti-rust effect painting, suitable to prevent the corrosion of ferrous metal supports and for its excellent adhesion; it is also recommended as adhesion primer for supports made of zinc-coated steel, aluminium, light alloys, plastic and fiberglass. Characterized by high penetration of the substrate, excellent adhesion, hardness and flexibility, it is able to withstand the natural stress created by the dimensional variations of the substrate in response to the varying of climatic conditions. Easy to apply, possesses excellent filling, spreading and covering powers, provides good grip to enamels and enhances their covering power.

It is formulated with modified, water-dispersed, epoxy acrylic resins and ionic exchange pigments which have particularly good adhesion properties on metal as well creating a protective barrier which guarantees good water-resistance and an antioxidant effect. Ideal for dipping applications.

Its good spread rate and low tendency to splash mean that it can be applied with manual or mechanical tools which guarantee an even surface film in both professional and do-it-yourself applications.

It is fast drying which guarantees rapid painting times and resistance to overcoating even with solvent-based products; it is, therefore, a multi-use product. It is also ideal as an adhesive primer for subsequent coats of paint.

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.

**COMPOSITION**

Based on aqueous dispersion-based epoxy resins, passivating pigments and ion exchange.

**PRODUCT PROPERTY**

		<b>Method</b>
<b>Waterproof resistance</b>	Good	
<b>Resistance to rust</b>	Good	interior PF16
<b>Impact resistance</b>	Good	
<b>Adhesion</b>	Good	
<b>Dry residual in weight</b>	60-64%	interior PF25
<b>Drying time</b>	Recoatable 8h; Fully 5 days	interior PF2

**SPECIFICATION DATA**

		<b>Method</b>
<b>Specific weight</b>	1100 -1250 g/l	interior PF3
<b>Coverage</b>	95-99	interior PF11

**COLOUR RANGE**

Ral 7035.

The color may be slightly different from one batch to another; it is therefore necessary to finish the job with the same batch.

**TYPICAL USE**

It is ideal for the protection of new iron structures or structures undergoing maintenance – such as metal structural work, fixtures, railings, barges, tanks or agricultural equipment - subjected to particularly corrosive agents in rural, marine and industrial environments. The thickness recommended for effective protection is established on the basis of the aggressiveness of the environment and the product should always be applied on a scrupulously clean substrate. Can be recoated with water-based acrylic, alkyd and polyurethane enamels and with solvent-based, fast drying, alkyd enamels.

Ideal as an adhesive primer on materials that offer poor adhesion such as galvanized steel, alloys, aluminium, plastic and fibreglass. Adhesion to the substrate is lessened if the product is applied to a damp substrate or in conditions of high ambient humidity. Before being protected, the galvanic zinc coating must be allowed a 2-3 month period of oxidation in the

presence of atmospheric agents. It is used as an intermediate layer in the painting cycle with *Epox Zinc 1K* in order to guarantee adhesion to the subsequent products. In order to guarantee good adhesion, recoat after 12-16 hours of drying and avoid the use of nitro enamel.

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 important for the environment to be well-ventilated in order to facilitate water evaporation. Thicker coats of paint than those indicated or different environmental conditions can cause a lengthening of the indicated drying times.

Pre-heat the product at approx. 30° for better and drip-free results, especially when coating corners. The product can be tunnel-dried with hot air at a temperature of +35°C+50°C.

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

**TOOLS**

Roller, Brush, Spray.

**THINNING**

Up to 7% by volume with water.

**COVERAGE**

13-15 m<sup>2</sup>/l per coat.

**APPLY**

+5°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 ferrous artefact**

1. Prepare the surface, by cleaning and degreasing with thinner Nitro NV 5000;
2. Apply two layers of Chromocap W with a thickness equal to 70  $\mu\text{m}$  dry, waiting for 8 hours between one and the other;
3. After 8 hours apply two coats of Hydrocap waiting for 3 hours between one and the other; for 70  $\mu\text{m}$  dry.

For adequate protection in marine and light industrial atmosphere apply 100 mm dry of antirust + 70  $\mu\text{m}$  dry of enamel.

For adequate protection hard industrial atmosphere apply 130 mm dry of antirust + 70  $\mu\text{m}$  dry of enamel.

**Maintenance of a rusty iron product**

- A. Remove the flaking paint and the rust with scrapers, brushes or abrasive paper;
- B. apply one layer of Chromocap Won the interested part;
- C. Proceede as point 3.

**Galvanized iron**

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 thinner Nitro NV 5000.

Alternatively, a light silica sandblasting is recommended.

2. On dry substrate apply Chromocap W;

3. After 8 hours apply two layers of enamel Gladium, interspersed with 24 hours apart from each other.

Gladium can be replaced by Remdur, Unifercap, Sintech, Supersinteoil Rapido

**Aluminum, light alloys, plastic**

4. Perform a light sanding with P180-P220abrasive paper. Thoroughly clean the surface to be treated with thinner Nitro NV 5000 and make sure it is dry and free of silicone, waxes, greases and foreign substances in general.

5. On dry substrate apply Chromocap W;

6. After 8 hours apply two layers of enamel Gladium, interspersed with 24h.

Gladium can be replaced by Remdur, Unifercap, Sintech, Supersinteoil Rapido

NB In the case of plastic materials, given the variety of behaviour of the same, it is advisable to carry out specific tests of adhesion of the product on the material.

**SPECIFICATION  
ITEM**

Epoxy acrylic rust inhibiting primer, water-based, ideal for the protection of new iron structures or structures undergoing maintenance – such as metal structural work, fixtures, railings, barges, tanks or agricultural equipment - subjected to particularly corrosive agents in rural, marine and industrial environments.

Can be recoated with water-based acrylic, alkyd and polyurethane enamels and with solvent-based, fast drying, alkyd enamels, used at a consumption rate of 140 ml/m<sup>2</sup>.

**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.