PRODUCT DATA SHEET

UNIFERCAP W

Micaceous waterborne enamel

DESCRIPTION

Water-based enamel suitable for the painting systems of various 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 excellent quality, effective aesthetic and technical solutions can be obtained for various painting requirements offering excellent finishing results with maximum protection and colour resistance in exterior environments, even in severe exposure conditions.
The properties of this film which include elasticity, scratch resistance and wear resistance, ensure that it maintains its appearance while remaining stable and 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 micaceous iron oxide which creates a protective barrier, acrylic resins in aqueous dispersion which guarantee maximum resistance to UV rays and high protection outdoors in conditions of extreme exposure to atmospheric agents and sunlight. It demonstrates excellent adhesion to substrates such as pre-painted wood, hard plastic, alloys, galvanized steel, aluminium. It is ideal for painting systems designed for both interior and exterior structures.
Its good coverage, low tendency to run and fast drying properties mean that it can be applied with manual or mechanical tools which guarantee a finish characterised by excellent visual consistency, even thickness and good coating of the corners, both in professional and in do-it-yourself applications, as well as reducing painting time.
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.

PERFORMANCE DATA

	Method	Value
Opacity level (Contrast ratio)	ISO 6504-3	98%
Viscosity	CAP (Brookfield S05 20 RPM)	6000-7000 mPa*s
Weather resistance	CAP	EXCELLENT
Impact resistance	CAP	GOOD
Fold resistance	CAP	EXCELLENT
Adhesion	CAP	EXCELLENT
Elasticity	CAP	EXCELLENT
Specific weight	ISO 2811-1	1150–1250 g/l
Drying time	CAP - PF2	recoatable 8-12h; fully 12h

SHELF LIFE

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

COLOUR RANGE

As per the samples.
The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch.

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TYPICAL USE

It is 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 the structure without the use of primers.
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. If the product has been stored at low temperatures, allow it to reach a temperature of at least +15 °C before applying.
To facilitate coverage in roller applications, apply the product in the correct quantities (coats should not be too thin).
During application and drying time, the temperature should be higher than +15°C and the humidity of the air lower than 65%; for interior applications, it is important for the environment to be well-ventilated in order to facilitate water evaporation. Remember that applying thicker layers of paint to those indicated or different environmental conditions can cause a lengthening of the indicated drying times, as the evaporation of the water slows down.
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°/+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

10-15% by volume with water

COVERAGE

14-16 m^2/l dry-thickness 35 µm

APPLY

+5°C +30°C

COATING SYSTEM

Protection of iron structures, railings, metal structural work in general

1. Clean and degrease the substrate with *Acetone per Lavaggio*.
2. Apply two coats of *Chromocap W* at a thickness of 70 dry µm, 4-6 hours apart.
3. After 4-6 hours, apply two coats of *Unifer W* at a thickness of 70 dry µm, 8-12 hours apart.

Protection of structures in galvanized iron, aluminium, alloys, plastic

A. Clean and degrease the substrate carefully.
B. When the substrate is dry, apply two coats of *Unifer W*, 8-12 hours apart.

Maintenance of an old structure in aluminium, alloys and plastic

Remove any flaking paint with scrapers, brushes or abrasive paper and proceed as per point 3.

Maintenance of a rusty galvanized iron structure

A. Remove any flaking paint and rust with scrapers, brushes or abrasive paper.
B. Apply a coat of *Chromocao W* on the part in question and proceed as per point 3.

For the adequate protection in marine and light industrial areas, apply 100 µm when dry of antirust + 70 micron when dry of enamel;
For the adequate protection in heavy industrial areas, apply 130 µm when dry of antirust + 70 micron when dry of enamel.

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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 the structure without the use of primers, at a consumption rate of 150 ml/m^2 (180 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°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.

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