PRODUCT DATA SHEET

K81 TOPCAP LUCIDO

Water-based masonry enamel for interior and exterior

DESCRIPTION

Enamel APEO suitable for painting systems of interior and exterior structures, waterproof, 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 and wear resistance, ensure that it maintains its appearance while remaining stable and that it is also able to withstand the 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 in severe conditions of exposure to atmospheric agents and sunlight, with a non-yellowing enamel coating. It is characterised by reduced resistance to blocking and, as a consequence, it is not suitable for structures that come into mutual contact.
Its good spread rate and low tendency to run mean that it can be applied with manual or mechanical tools which guarantee a finish characterized by excellent visual consistency, even thickness and good coating of the substrate, both in professional and in do-it-yourself applications. The short drying time allows for rapid execution of the painting process.
Thanks to its extreme fineness, it is ideal for interior applications. The tough film, which is highly resistant to the penetration of stains and dirt and to washing, can be easily cleaned with commercial detergents and antibacterial detergents (reaches maximum resistance 10 days after application).
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.
The product meets the requirements of **Class A** according to the relevant Test Report.

WATER RESISTANCE
The product dries and cures completely in 5 days in optimal conditions (+15 +30°C with substrate humidity <10% and relative air humidity <65%).
Expose the product after 5 days of stabilization to avoid contact with rainwater or condensation (in case of fog or humidity higher than 85%) before complete polymerization, which could lead to veiling or blistering. Any glazing, which is temporary in nature, does not affect the strength of the product and disappears on exposure under normal conditions after complete drying.

PROPERTIES OF DRIED FILM

	Class EN 13300	Method	Value
Dirt retention	Very low	UNI 10792	$\Delta L \leq 3$
Wet scrub resistance	1	ISO 11998	$L_{dft} < 5\ \mu$

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PERFORMANCE DATA

Adhesion		Interior PF16	Excellent
Solid by weight		interior - PF25	53-57 %
Coverage (White)	3 (7m^2/l)	UNI EN ISO 6504-3	≥ 95 e < 98
Gloss level	Glossy	EN ISO 2813	Gloss > 60
Drying time		Interior - PF2	overcoatable 4-6h; fully 5 days
Specific weight		Interior PF03	1000–1350 g/l according to the colours
Gloss level		Interior PF06	White: 60-70 Coloured: 70-80
Coverage (White)		Interior PF11	≥ 95 e < 98

COLOUR RANGE

White.
The range of colours can be extended using the *Tintoretto, Tucano, Spazio 100, Area 115, NCS and K7*.
The colours 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 work with the same production.

TYPICAL USE

It is ideal for decorating and protecting, from atmospheric agents, new structures or structures undergoing maintenance and that have alkaline substrates such as plasters with different compositions (cement, common lime, pre-mixed, skim coat plaster for exterior insulation), concrete and fibrocement, in rural, marine or industrial environments. Strong colours may also be used. The product is not to be used for application on structures that need to be stacked. On plaster skims or filler, assess the suitability of the application cycle. On exterior surfaces subject to biological pollutants, such as mould, seaweed and moss, add 350 ml of *B25* for every 14 litres of paint. Tools should be washed with water immediately after use.

TOOLS

Roller, Brush, Spray.

THINNING

Roller, Brush: 5-10% by volume with water. by volume with water.
Aircoat or airless spray: 0-10% by volume with water.

COVERAGE

7-9 m^2/l per coat.

APPLY

+5°C +30°C

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COATING SYSTEM

EXTERIOR

New substrates made of cement-based, premixed and gauged mortar plasters, reinforced concrete, concrete prefabs

1. Power wash to remove any impurities such as dirt, mould, seaweed and moss and parts flaking off the casting.
2. Treat with *B1* if biological pollutants such as mould, seaweed and moss are present.
3. After 4-6 hours apply a coat of *Murisol or Murisol W*.
4. After 5-8 hours, apply two coats of *K81 Topcap Lucido*, 4-6 hours apart.

Maintenance on old paint

A. Using brushes and scrapers, remove any paint that is flaking off, bloom or other uneven residues or crumbling materials and power wash with a high pressure water jet cleaner.
B. Restore any missing plaster using synthetic mortar *K29*, if a thin coat is required; apply *50 or 501* when a thick coat is needed.
C. After 24 hours, if *K29* has been applied, or after 14 days if *50 or 501* has been used, treat with anti-mould *B1* if biological pollutants such as mould, seaweed and moss are present. Then, proceed as per points 3 and 4.

INTERIOR

New surfaces of cement-based plasters, premixed plasters, mortar plaster, reinforced concrete, prefabricated concrete

5. Clean from any impurities

6. Treat with B1 disinfectant if biological pollution from mold, algae and moss is present;
7. After 4 6h apply two coats of *K81 Topcap Lucido* or *Satin* at a distance of 4 6h from each other.

NB in case of brilliant shades with limited coverage it is recommended to apply *Ecolora Absolutecap* as a first layer in a similar colour.

Plasterboard surfaces and smoothing with Stuccocap

8. Clean from any impurities and dust
9. Apply a coat of *K81 Topcap Lucido* or Satin diluted 20% by volume with water
10. After 4 6 hours apply two coats of *K81 Topcap Lucido* or *Satin* at a distance of 4 6h one on the other;

NB in case of brilliant shades with limited coverage it is recommended to apply *Ecolora Absolutecap* as a first layer in a similar colour.

Maintenance on old paint

A. Remove the flaking paint, efflorescence or other incoherent residues or crumbling material with brushes and scrapers and perform pressure washing with a pressure washer;
B. Restore any missing plaster parts or cracks with Stucco Light
C. After 30-60 minutes, proceed as described in points 6 and 7.

SPECIFICATION ITEM

Acrylic enamel in aqueous dispersion with solid residue 55%, resistant to UV rays and ideal for protecting new structures or structures undergoing maintenance that have mineral wall substrates such as plasters with different compositions, concrete and fibrocement, in rural, marine or industrial environments, at an average total consumption rate of 250 ml/m^2. Complies with the requirements of Reg. 852/2004/EC.

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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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