PRODUCT DATA SHEET

BETON ACTIVE

Antimould paint for concrete

DESCRIPTION

Water-based paint for both exteriors and interiors with high adhesion features on different types of substrates, impermeable to water and CO_2, ideal as specific anti-carbonation paint. Thanks to its high covering properties and easy application, it is ideal for professional use. Its excellent quality guarantees maximum protection and resistance of the colour in outdoor environments with excellent finishing results. Thanks to its low opacity, it is characterised by a weak levelling capacity. After drying, it keeps the visual effect of fair-faced cement with an anti-dust action that allows for easy cleaning.
It is supplemented with a fungicide to guarantee resistance to wall mould .

WATER RESISTANCE
The product dries and polymerises completely in at least 10 days under optimal conditions (+15+ 30 ° C with a humidity < 10% support and relative humidity <75%).
If before complete drying paint undergoes leaching due to rain or condensation (in the case of fog or humidity >85%), it may occur more or less extensive semi-gloss appearance sagging. This phenomenon, of a temporary nature, does not affect the strength of the product and is eliminated by washing with water or through the next natural action of rain and sunshine.

COMPOSITION

APEO-free product formulated with water-based resins of vinyl acetate / acrylate, selected aggregates and additivated

PROPERTIES OF DRIED FILM

	Class	Method	Value
Gloss level	G3 Opaco, EN 1062-1	UNI EN ISO 2813	Gloss = 4
Impermeability to carbon dioxide	C1 EN 1062-1	UNI EN 1062-6	S_d > 50 m eq
Wet scrub resistance	1 EN 13300	UNI EN ISO 11998	L_{dft} < 5 µ
Opacity level (Contrast ratio)	3 ($10m^2/l$)	UNI EN ISO 6504-3	≥ 95 e < 98
Dirt retention	low	UNI 10792	ΔL ≤ 3
Solid by weight		Interno PF25	54-58 %

SPECIFICATION DATA

Specific weight	Interno PF3	1265–1365 g/l
Drying time	Interno PF2	recoatable 4-6h; fully 18h

SHELF LIFE

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

COLOUR RANGE

White.
The range may be extended using the shades from the *Tucano* sample book.
The colour could vary slightly from one production batch to the next; it is therefore important to finish the job with the same batch.

TYPICAL USE

It is ideal for decorating and protecting, from atmospheric agents in rural, marine or industrial environments, concrete and reinforced concrete structures, both new or undergoing maintenance. Strong colours may also be used. On exterior surfaces subject to biological pollutants, such as mould, algae and moss, add 350 ml of *B25* for every 14 litres of paint.

TOOLS

Roller, Brush, Spray.

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THINNING

Roller, Brush: 5-15% by volume with water.
Airless Spray: 0-10% by volume with water.

COVERAGE

9-11 m^2/l per coat.

APPLY

+5°C +30°C

COATING SYSTEM

New reinforced concrete surfaces, cement prefabs
Power wash to remove any impurities such as dirt, moss, mould and parts flaking off the casting, and proceed as follows:

1. Apply a coat of *Murisol* on the dry substrate;
2. After 5-8 hours, apply two coats of *Beton Active* 4-6 hours apart.

The described system has the following properties:

Adhesion (UNI EN 1542), ≥ 0.5 MPa, flexible systems without trafficking

≥ 0.7 MPa, rigid systems with no traffic

Permeability to carbon dioxide (UNI EN 1062-6), SdCO2 >50 m
Water permeability(UNI EN 1062-3), w < 0.1 kg/($m^2h^{0.5}$)
Water vapour permeability(UNI EN ISO 7783), Sd < 5 m, Class 1

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. Apply a rendering coat of *Rasacap 50* on the surface to be rectified and on reinforcement iron.
C. Restore any concrete parts using *Rasacap 50, or 501.*
D. After 14 days apply a coat of *Murisol or Murisol W.*
E. After 5-8 hours, proceed as per point 2.

Maintenance on old paint polluted with mould

1. Prepare the surface as per points A, B and C.
2. Treat the surface with anti-mould *B1.*
3. After 4-6 hours apply a coat of *Murisol or Murisol W.*
4. After 5-8 hours, apply two coats of *Beton Active* supplemented with 350 ml of *B25* for every 14 litres of paint.

Maintenance of thick coatings
Proceed with the preparation of the substrate as in step A, and apply two coats of *Beton Active* waiting 4-6h from one to another.

SPECIFICATION ITEM

Water-based acrylic paint, anticarbonation, with resistance to the diffusion of CO2 higher than 50m eq, resistant to atmospheric agents and to mould, to be applied with a consumption equal to 200 ml /m^2 of surface treated with 100 ml /m^2 of a suitable primer.

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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