

ICARO

HIGHLY WASHABLE ACRYLIC WATER-BASED PAINT WITH POLYSILOXANES LOW EMISSIONS OF VOLATILE COMPOUNDS FOR INDOOR USE

series 435

DESCRIPTION

ICARO is a water-based paint superwashable low emission of volatile compounds designed for painting indoors. Free of formaldehyde and added plasticizers, offers the maximum comfort.

The formulation based on acrylic resin modified with polysiloxanes gives the product very high resistance to washing, low dirt retention and ease of application, characterized by ample time of workability.

ICARO makes looking particularly fine finishes, matt and uniform, marked by excellent whiteness, high coverage and easy to clean.

INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Concrete surfaces.
- Gypsum and gypsumboard surfaces.
- Old paints and wall coatings that are organic or mineral in nature, dry, compact, absorbent and cohesive.
- Mineral conglomerates of various kinds, as long as they are absorbent.

Surfaces should be adequately prepared by following the instructions given in the paragraph 'PREPARING THE SURFACE'.

Do not apply on freshly painted surfaces.

TECHNICAL SPECIFICATIONS

- Type of Binder: acrylic copolymer modified with polysiloxane in water dispersion

- Classification per UNI EN 13300:

.Wet-scrub resistance per ISO 11998: class 1

.Gloss per EN ISO 2813: <5, dead matt

.Hiding power per ISO 6504-3: class 2 on 8 mq/l spreading rate

Other characteristics

- Specific gravity per UNI EN ISO 2811-1: 1.35-1.55 kg/l
- Viscosity per UNI 8902: 45000 ± 4000 cps at 30 °C (Brookfield viscometer)
- Wet-scrub resistance per UNI 10560: >10000 cycles, excellent
- Alkali resistance per UNI 10795: alkaliproof
- Dirt pick-up per UNI 10792: $\Delta L \leq 3$ very low
- Drying time (at 25 °C and 65% R.H.): to touch in 1 hour; to recoat after 4 hours.

PREPARING THE SURFACE

- Make sure the substrate is very dry and matured. If necessary, reconstruct or strengthen with specific products.
- If there is mould, treat the surface with the COMBAT 222 detergent, code 4810222, and with the COMBAT 333 sanitizing preservative, code 4810333. In order to protect the wall from the formation of mould, add sanitizing agent COMBAT 444 code 4810444.
- Remove any efflorescences and scaling of old paints by brushing or washing. Completely eliminate any thick layers

of lime paints or tempera.

- Remove deposits of dust, smog or other material by brushing.

Plaster, gypsum and plasterboard surfaces:

- Indoors, level substrate unevenness and treat holes, cracking, cracks and depressions with TAMSTUCCO 9400006/9410110; rub the fillings and patches with sand paper.

- Seal the cracks with appropriate sealers.

- If necessary, make fillings on the plaster with RASAMIX 9440160, BETOMARC 9450150 or with RASOMARC 9500150 depending on the type of substrate.

- Apply on a clean and dry surface:

- .under normal conditions a layer of IDROFIS 4700006 acrylic water wall fixative or micronized solvent-free fixative ATOMO 8840001.

- .Apply the insulation of plasterboard specific PREPARES 4710019 pigmented insulation.

- .In the presence of thin layers of old tempera or chalking paints, a layer of micronized solvent-free fixative ATOMO 8840001.

- Apply ICARO.

Concrete surfaces:

- Remove the structural parts of cement that do not adhere well.

- The metal reinforcing rods that surface are to be thoroughly brushed and treated with BETOXAN PRIMER 9490125 passivating grout.

- Restore the missing parts with the filler BETOXAN 400 or BETOXAN 300 fibre-reinforced thixotropic anti-shrinkage mortar 9490140/0130; perform final filling with BETOXAN 200 anti-carbonation anti-shrinkage filler 9490120.

- On clean, dry surface apply:

- .a layer of IDROFIS 4700006 acrylic water wall fixative or micronized solvent-free fixative ATOMO 8840001.

- .in presence of thin layers of old tempera or chalking paints, a layer of micronized solvent-free fixative ATOMO 8840001.

- Apply ICARO.

*(The thinning of the sealer and the amount to be applied depend on the absorption of the substrate, and are determined by performing preliminary tests on the specific substrate. Consult the relative specification sheet).

APPLICATION INSTRUCTIONS

- Ambient and substrate conditions:

Ambient temperature: Min. +8°C / Max. +35°C

Relative humidity of the room: <75%

Substrate temperature: Min. +5°C / Max. +35°C

Substrate moisture: <10%

Do not apply in direct sunlight.

- Tools: brush, roller, spray gun and airless system.

- No. of coats: at least 2 coats.

- Dilution with water:

- .With brush at 30-40%

- .With roller at 25-30%

- Diluting varies in airless or spray gun applications, depending on the equipment and the working pressure

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used.

- Immediately clean tools after use with water.
- Indicative spreading rate: 8-10 sq m/l per coat based on smooth surfaces featuring average absorption. It is advisable to determine the actual spreading rate by carrying out a preliminary test on the specific surface.

TINTING

The tints are obtained through the tinting system and with the COLORADO colorants series 548.

WARNING: the colors derived from the base transparent recommend a maximum dilution to 20% with water.

In the case of using multiple batches it is recommended to remix the various products together to avoid slight differences in shading.

STORAGE

Maximum temperature for storage stability: +30 °C

Minimum temperature for storage stability: +5 °C

The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

SAFETY RULES

Limit value EU (Dir. 2004/42/EC)

Cat. A/a: Matt coatings for interior walls and ceilings (gloss \leq 25@60°) (water-base): 30 g/l (2010)

The product contains max: 30 g/l VOC

Use the product according to current standards of hygiene and safety after use, do not litter containers, allow the residue to dry and treat them as special waste. Do not empty into drains, water courses or onto the ground. For more information see the safety data sheet.

SPECIFICATION ITEM

Water-based paint washable acrylic-modified polysiloxanes mat interior.

Application, on previously prepared surfaces, washable water paint ICARO series of 435 based on acrylic resin modified with polysiloxane in aqueous dispersion having feature washability than 10000 cycles according to Method UNI 10560 and Class 2 according to ISO 11998 at least two layers in the amount determined by absorption.

Supply and installation of the material € sqm

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