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Acryltop

High-resistance acrylic super-washable water-based paint for exterior and interior use



SERIES 395

ACRYLTOP - V.2024-09-23

DESCRIPTION

ACRYLTOP is a highly washable emulsion paint for painting exterior and interior masonry. It gives good outdoor resistance, even in environments exposed to harsh conditions, such as marine and industrial environments, or in climates characterized by considerable sudden changes in temperature. The acrylic resin making up the product makes it extremely resistant against washing and the alkaline environment typical of cement-based surfaces and plastering in general.

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 in aqueous dispersion
- Classification per UNI EN 13300: (paints for interior)
 - .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 7 mq/l spreading rate
- Classification per UNI EN 1062-1: (paints for exterior)
 - .Gloss per EN ISO 2813: class G₃ (<10 matt)

- .Dry film thickness per ISO 3233: class E₂ (50-100 µm)
- .Grain size per EN ISO 1524: class S₁ (<100 µm fine)
- .Water vapour transmission rate per UNI EN ISO 7783-2: class V₃ (Sd>1,4 m low)
- .Liquid water permeability per UNI EN 1062-3: class W₂ (0.1-0.5 medium)
- .Crack-bridging per UNI EN 1062-7A: class A₀ (no requirement)
- .CO₂ permeability per UNI EN 1062-6: class C₀ (no requirement)

Other characteristics

- Specific gravity per UNI EN ISO 2811-1: 1,4-1,6 kg/l
- Wet-scrub resistance per UNI 10560: >10000 cycles, excellent
- Alkali resistance per UNI 10795: alkaliproof
- Dirt pick-up per UNI 10792: ΔL≤3 very low
- Classification of reaction to fire EN13501-1: Class A2 s1 d0

Referred to a consumption not exceeding that indicated, and to an application on a non-combustible surface.

- 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 111, code 4810111 to the product for exterior applications or COMBAT 444, code 4810444, for interior applications.
- 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:
Indoors, a coat of IDROFIS 4700006 acrylic water-based wall fixative. On plasterboard, apply the specific PREPARA 4710019 pigmented sealer.
Outdoors, or indoors if there are thin coats of old temperas or chalking paints, a coat of ISOMARC 4410111 solvent-based sealer wall fixative or ATOMO 8840001 solvent-free micronized fixative.
- Then apply ACRYLTOP.

Cement 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.
- Apply on a clean and dry surface:
Indoors, a coat of IDROFIS 4700006 acrylic water-based wall fixative or

ATOMO 8840001 solvent-free micronized fixative.

Outdoors, or indoors if there are thin coats of old temperas or chalking paints, a coat of ISOMARC 4410111 solvent-based sealer wall fixative or ATOMO 8840001 solvent-free micronized fixative.

- Then apply ACRYLTOP.

*(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.

- Following application, the exterior surfaces must be protected from rain and damp until the product becomes completely dry, which normally (at 20°C) occurs about 48 hours later.

- Surfaces bathed by rainwater during the approximately 10 days, could show translucent vertical lines. Such an occurrence does not compromise the product's performance, and may be removed by high-pressure water cleansing or after subsequent rainfalls.

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

- No. of coats: at least 2 coats.

- Diluting: first coat 20-25%, subsequent coats 10-15% with water. By spraying, ACRYLTOP should be thinned with 25% of water for the base coat and with approx. 15% of water for the topcoat

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

Colors are obtainable via the Marcromie color matching system and using COLORADO series 548 colorants.

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

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

For outdoor tasks it is a good rule of thumb to always use material from the same batch, from corner to corner. For tasks where it is unavoidable to continue on a wall with a different batch, do not place the batches contiguously. For the transition point, use any interruptions in the continuity of the surface: moldings, corners, cables, etc.

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 <25@60°) (water-base): 75 g/l (2007) / 30 g/l (2010)

Cat. A/c: Coatings for exterior walls of mineral substrate (water-base): 75 g/l (2007) / 40 g/l (2010)

ACRYLTOP Contains max: 30 g/l VOC

Use the product in compliance with the hygiene and safety regulations in force. Do not dispose of the containers as usual waste. Allow the residue to dry, and handle them as special waste. Store out of the reach of children. Use in a well-ventilated room. If the product comes into contact with the eyes, wash them immediately with plenty of water. If swallowed, immediately consult a physician and show him the container or label. Do not throw the residues into sewer systems or streams, or onto the ground.

Consult the safety data sheet for more information.

SPECIFICATION ITEM

Application, on previously prepared surfaces, of ACRYLTOP Highly washable emulsion paint series 395 - with a base of water-based acrylic resin with washing characteristics according to the DIN 10560 method of over 10,000 brushstrokes - with at least two coats of a quantity determined by the absorption of the surface.

Supply and application of the material €.....sq m