

ACRISYL PITTURA LISCIA

WATER-BASED, HIGHLY WASHABLE ACRYLIC-SILOXANIC MATT PAINT FOR OUTDOOR USE, ANTI-MOULD AND ANTI-ALGAE

series 399

DESCRIPTION

ACRISYL PITTURA LISCIA is a water-based anti-algae, acrylic-siloxanic paint for outdoor use with excellent water repellence, resistant to air pollution and alkaline surfaces. It maintains its resistance even in harsh environments, such as marine and industrial settings or climates with sharp seasonal temperature differences.

It is suitable to re-paint wall finishing coating on thermal insulating system.

Thanks to this composition, the resulting film is elastic, impermeable to air pollution and easy to apply with good expansion.

INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Concrete 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 siloxane in aqueous dispersion

- 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 V₁ (Sd<0,14 m, high)
- .Liquid water permeability per UNI EN 1062-3: class W₃ (W≤0,1 low)
- .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
- Viscosity per UNI 8902: 32000 ± 3200 cps at 30 °C (Brookfield viscometer)
- Wet-scrub resistance per UNI 10560: >10000 cycles, excellent
- Dirt pick-up per UNI 10792: ΔL≤3, very low
- Alkali resistance per UNI 10795: alkaliproof
- Mould and algae resistant per UNI EN 15457 and UNI EN 15458
- Masonry preservative in conformity with the Kuenzle theory per DIN 18550: W<0,5 kg/m²h^{0,5} and Sd<2 meters
- Drying time (at 25 °C and 65% R.H.): to touch in 1 hour; to recoat after 4 hours.

PREPARING THE SURFACE

- Make sure that the surface is thoroughly dried and aged. Resurface or consolidate using specific products if necessary.

- If mold is present, treat the surface with COMBAT 222 cleanser code 4810222, and with COMBAT 333 reconstruction code 4810333.

- Brush or wash to remove any efflorescence and any old peeling paint. Completely eliminate any raised layers of lime-based or tempera paints.

- Remove any dust, smog or other deposits by brushing.

Plaster surfaces:

- Cracks must be adequately widened and filled with stucco or similar products.

- Level any irregularities in the surface. Treat any holes, cracks, crevices and gaps with BETOMARC 9450150, RASAMIX 9440160, or RASOMARC 9500150 according to the type of support.

- Make sure that the support is completely dry and apply a coat of IDROFIS 4700006 acrylic water-based wall fixative, or ISOMARC 4410111 solvent-based wall fixative, or micronized solvent-free fixative ATOMO 8840001.

- On non uniform surfaces, it's possible to apply one coat of ACRISYL GRIP code 9320019 levelling base.

- Apply ACRISYL PITTURA LISCIA.

Concrete surfaces:

- Remove any crumbling structural cement.

- The metal reinforcement disks visible on the surface must be carefully brushed and treated with BETOXAN PRIMER 9490125 passivating agent.

- Restore the missing parts with the smoothing coats BETOXAN 400 or BETOXAN 300 Non-shrinking thixotropic fiber-reinforced mortar 9490140/0130; perform the final smoothing with BETOXAN 200 Non-shrinking anti-carbonation smoothing coat 9490120.

- On a clean, dry surface apply:

Indoors, one coat of IDROFIS 4700006 acrylic water-based wall fixative or ATOMO 8840001 micronized solvent-free fixative.

Outdoors, or indoors in the presence of thin layers of old tempera or chalking paints, one coat of solvent-based wall fixative ISOMARC 4410111 or ATOMO 8840001 micronized solvent-free fixative.

- On non uniform surfaces, it's possible to apply one coat of ACRISYL GRIP code 9320019 levelling base.

- Apply ACRISYL PITTURA LISCIA.

(The dilution of the insulating agent and amounts to be applied depend on the absorption of the support surface, and must be determined through preliminary tests on the specific support surface.)

APPLICATION INSTRUCTIONS

- Air and support surface conditions:

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

Relative environmental humidity: <75%

Support surface temperature: Min. +5 °C / Max. +35 °C

Moisture level of the support surface: <10%

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- Avoid applying when surface condensation is present, or in direct sunlight.

- To avoid compromising the optimal appearance and performance of the product, we recommend that it be applied only in the aforementioned climate conditions, and that the surfaces be protected from rain and damp for approximately 48 hours. This will allow the product to dry completely and ensure even polymerization, which takes place in approximately 10 days.

- 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.

- Application on surfaces with salt efflorescence or subject to rising damp may interfere with the product's adherence to the support. It is therefore necessary to first reconstruct the masonry using dehumidifying plasters, then paint with the NEPTUNUS siloxanic system.

- The protection of anti-mold and anti-algae finishes is of sacrificial nature: the efficacy and durability are strongly influenced by the severity of the environmental and climatic exposure, the building category, and the application system selected.

- Tools: brush, spraying, airless.

- Nr coats: The product should be applied in at least 2 coats.

- Dilution: first layer 20-25% with water; subsequent layers 10-15%

- In spray applications ACRISYL PITTURA LISCIA should be diluted with 25% water for the first coat, and approximately 15% water for the finish.

- In airless applications the dilution varies according to the equipment and pressure used.

- Clean tools with water immediately after use.

- Indicative spreading rate: 10-12 m²/l per coat, referring to applications on smooth surfaces with medium absorption. The actual yield is best determined by performing a preliminary test on the specific support surface.

TINTING

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

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 storage temperature: +30°C

Minimum storage temperature: +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/c: Coatings for exterior walls of mineral substrate (water-base): 40 g/l (2010)

ACRISYL PITTURA LISCIA Contains max: 40 g/l VOC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. / Keep out of the reach of children.

Do not empty into drains. / Wear suitable protective clothing and gloves. / If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Consult the safety data sheet for additional information.

SPECIFICATION ITEM

Highly washable anti-algae anti-mould matt acrylic-siloxanic water-based paint for outdoor use.

Application, on prepared surfaces, of at least two coats of highly washable ACRISYL PITTURA LISCIA series 399 water-based paint based on acrylic-siloxanic resins in aqueous dispersion with excellent wet scrub resistant per UNI EN ISO 2811-1, high water vapour transmission rate per UNI EN ISO 7783-2 and low liquid water permeability per UNI EN 1062-3, in amount determined by the absorption of the support surface.

Supply and application of the material €.....m² .

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