

ACRISYL DECORA

Acrylic-siloxane anti-mould, anti-algae granite effect exterior wall coating with sparkling crystals.

series 457

DESCRIPTION

ACRISYL DECORA is a wall coating for exteriors enriched with shiny crystals that creates a typical granite and natural stone finish characterised by tiny reflective points.

With a base of acrylic-siloxanic binder, it creates a protective coating with excellent water repellency and good water vapour permeability. It produces surfaces with high impermeability to atmospheric pollutants, protecting surfaces from the onset of moulds and algae.

Due to its characteristics ACRISYL DECORA is also suitable for decorative finishes on external thermal insulation composite systems (ETICS).

INSTRUCTIONS FOR USE

May be applied on:

- External Thermal Insulation Composite Systems (ETICS).
- 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
- Solvent: water
- Viscosity: pasty consistency
- Marble size: 0.6 mm
- Alkali resistance UNI 10795: alkaliproof
- CE marking per EN 15824
- Flame reaction EN13501: Class B s1 d0
- Water permeability per UNI EN 1062-3: low, $w < 0,1 \text{ kg/m}^2\text{h}^{0,5}$
- Water vapor permeability per UNI EN ISO 7783-2: high, $S_d < 0,14 \text{ m}$
- Masonry preservative in conformity with the Kuenzle theory per DIN 18550: $W < 0,5 \text{ kg/m}^2\text{h}^{0,5}$ and $S_d < 2 \text{ meters}$
- Mould and algae resistant per UNI EN 15457 and UNI EN 15458
- Drying (at 25°C and 65% R.H.): from 1 hour and 30' to 3 hours, depending on the thickness applied.

PREPARING THE SURFACE

- Check the preservation status. The surface must be smooth. If not, resurface or consolidate using specific products.
- If mold is present, first treat the surface with COMBAT 222 cleanser 480222 and with COMBAT 333 reconstruction 4810333.
- Make sure that the surface is thoroughly dried and apply:
- Remove any efflorescence present by brushing or washing.
- If old paint is present, remove any peeling parts that are

not completely adhered, while raised layers of lime-based or tempera paints must be completely removed by thoroughly wetting the surface and scraping, or using a high-pressure water jet machine.

- 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 compact surfaces, not chalking, apply water soluble covering fixative MARCOTHERM PRIMER 4740019.
- On non uniforme surfaces, it's possible to apply one coat of ACRISYL GRIP code 9320019 levelling base.
- Apply ACRISYL DECORA as described in the application instructions.

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 9490140/130; perform the final smoothing with BETOXAN 200 Non-shrinking anti-carbonation smoothing coat 9490120.
- Make sure that the support is completely dry and apply a coat of ISOMARC 4410111 solvent-based wall fixative or micronized solvent-free fixative ATOMO 8840001. On compact surfaces, not chalking, apply water soluble covering fixative MARCOTHERM PRIMER 4740019.
- On non uniforme surfaces, it's possible to apply one coat of ACRISYL GRIP code 9320019 levelling base.
- Apply ACRISYL DECORA as described in the application instructions.

Surfaces with External Thermal Insulation Composite Systems.

- Make sure that the support has a maturation time that meets the manufacturers' specifications.
- Check the consistency of the smoothing coats; the surface must be smooth.
- Apply a coat of IDROFIS 4700006 acrylic water-based wall fixative, or ATOMO 8840001 micronized solvent-free fixative, or MARCOTHERM PRIMER 4740019 diluted with water according to the absorption of the surface.
- Apply ACRISYL DECORA as described in the application instructions.

(The thinning of the sealer and the quantity to be applied depend on the level of absorption of the surface and should be determined by performing preliminary tests on the specific surface).

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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%
- 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.
- Dilution: ready to use. On site it is possible to adjust the viscosity, according to need, by slightly diluting ACRISYL DECORA with 2-3% water.
- Stir before application.
- Tools: steel trowel, plastic trowel.
- No. coats: 2.
- The choice of tool affects the aesthetic appearance of the surface so always use the same type of tool.
- Application instructions:
.Apply the product evenly to the support with a steel trowel. Wait until completely dry before applying the second coat.
.Apply a second coat and, before the product is totally dry, smooth it down with a steel spatula to create a smooth surface.
.Apply by plastic trowel and even it, to obtain a very thin plastic effect.
- To avoid joints forming, work on the surfaces with the product "wet on wet".
- The final aesthetic result may be affected by the application technique so we recommend you apply the top coat carefully.
- Clean tools with water immediately after use.
- Indicative covering capacity: 1-1.2 kg/m² per coat. After 2 coats 2-2.4 kg/m² on medium porous supports.
We recommend performing a test on the specific support to calculate yield.

TINTING

The product is available in tinting bases and also as ready-made colours, crystal (0001) and granite grey (0002).

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

ACRISYL DECORA 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 sheet for additional information.

SPECIFICATION ITEM

Acrylic-siloxanic anti-algae, enriched with tiny sparkling crystals.

Apply 2 coats on previously prepared surfaces, as well as surfaces treated with a thermal insulation composite systems, of ACRISYL DECORA series 457, formulated with an aqueous dispersion of acrylic-siloxanic copolymer, loaded with silicas, marble grit and shiny crystals. Average coating thickness at work's completion: 1 mm.

Supply and application of the material € per m².

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