

Overskin

Lightweight, anti-algae and anti-mould acrylic-siloxane render, 1.8 mm grain

PRODUCT DESCRIPTION

Overskin is a completely new finish in the range of thick coatings for exteriors. Strongly decorative, it is suited for new and old surfaces.

Overskin combines the traditional strength and durability of acrylic-siloxane coatings with multiple properties derived from the product's special microcellular structure:

- reduction of approximately 25 per cent in consumption per square metre with a consequent reduction in weight on the exterior wall;
- ease of application and reduction of waste; high adhesion to the substrate avoids wastage and material spillage;
- excellent breathability and water repellency, it provided less dirt retention, meaning your walls stay cleaner for longer;
- greater elasticity and reduced cracks;
- anti-mould/mildew and anti-algae finish;
- longer open time without the use of solvents

USES

Overskin can be applied on:

- Surfaces treated with thermal-insulation systems;
- Old and new plasters based on hydraulic binders;
- Concrete surfaces;
- Old paints and organic or mineral coatings that are dry, compact, absorbent and not damaged;
- Conglomerates of various minerals as long as they are absorbent.

Surfaces must be properly prepared according to the instructions in the section '**BACKGROUND PREPARATION, AND APPLICATION**'.

TECHNICAL FEATURES

Nature of binder: acrylic copolymer with siloxane modification in water emulsion.

UNI EN ISO 2811-1 density: 1.47 +/- 0.05 g/ml

Grain size: 1.8 mm

Resistance to the alkalis UNI 10795: resistant

Permeability to water UNI EN 1062-3: low, $w < 0.1 \text{ kg/m}^2\text{h}^{0.5}$

Permeability to water vapour UNI EN ISO 7783-2: high $S_d < 0.14 \text{ m}$

Mould and algae resistant according to UNI EN 15457 and UNI EN 15458

Drying (at 25 °C and 65% R.H.): complete in 1-4 hours, depending on thickness applied.

DILUTION/THINNING

Overskin: ready to use, the viscosity of the product can be controlled by adding a maximum of 1% water.

PRECAUTIONS

Mix the material properly before colouring and laying. Do not apply on fresh backgrounds that tend to be alkaline. Allow adequate curing time, generally four weeks.

BACKGROUND PREPARATION, AND APPLICATION

(Referred to environmental conditions $T=25^\circ \text{C}$, $RH=65\%$)

The surface must be dry and free of dust, and of humidity-salt stains.

If necessary, rebuild or consolidate the substrate with specific products.

If mould/mildew is present, treat the surface with appropriate products. Remove any blooming and flaking parts of old paintwork by brushing.

Completely remove any thick coats of lime or tempera paints. Remove any deposits of dust and grime by brushing.

Once the background is dry and compact, use a brush to apply one diluted coat of Decofix (micronized wall fixative).

For consistent, non-flaking backgrounds, as an alternative, use a brush to apply a coat of diluted **Acricolor** (water-based pigmented acrylic fixative).

Wait for the fixative to dry and apply a layer of **Overskin** using a stainless steel or plastic trowel.

Remove any imperfections or material build-up.

Work on the surface while it is still wet, depending on the texture and the aesthetic effect you want.

Drying time: about 48 hours depending on the type of substrate, its absorption rate, and environmental conditions.

RECOMMENDATIONS

When applying, the material must be protected from the cold and from big heat changes during the entire application process.

Surfaces that are subject to rainwater run-off over the course of 10 days or so may show translucent vertical stripes. This does not affect the performance of the product and the stripes can be removed by hydro-washing or by subsequent rainfall.

Do not apply when the temperature of the air, the support or product is below $+5^\circ \text{C}$ or above $+35^\circ \text{C}$, when under direct sunlight, or on heated surfaces (even if already in the shade). Ambient humidity must be $< 75\%$; background humidity must be $< 10\%$.

We recommend finishing each job with materials from the same batch of manufacture. If different manufacturers are used, we recommend mixing the various productions to avoid slight differences in tone.

For the correct use of the above materials, and for dilution and laying, please carefully read the technical data sheet.

The correct use of equipment and personal protective equipment (PPE) is recommended during all phases of background and product preparation and application.

The protection of anti-mould and anti-algae finishes is sacrificial so the effectiveness and duration over time are strongly affected by the severity of climatic and environmental exposure, the type of construction, and the choice of application system.

EQUIPMENT CLEANING:

With water, immediately after use.

YIELD

Overskin: 1.8-2.2 kg/m^2 per single layer, on medium-porous substrates. We recommend checking actual yield by making a preliminary test on the specific background.

COLOURS

White and soft colour-palette colours.

PACKAGING

20 kg pots.

STORAGE LIFE CONDITIONS

The product should be used preferably within 2 years from the production date if stored in its original unopened pot and at the appropriate temperatures.

SAFETY RECOMMENDATIONS

Directive 2004/42/EC:

Overskin (paint for exterior walls of mineral substrate)

EU limit value for Overskin (cat A/c):40 g/l (2010)

Overskin contains a maximum of 40 g/l VOC.

Harmful to aquatic organisms with long-lasting effects.

The product must be transported, used and stored according to current hygiene and safety regulations; allow the residues to dry completely and treat them as special waste.

See safety data-sheet for further information.

The SAN MARCO GROUP guarantees that the information in this data sheet is given to the best of our experience and technical and scientific knowledge. However, because application conditions are beyond our control, we cannot assume responsibility for the results obtained from its use. We recommend always checking the actual suitability of the product to each individual case. This sheet cancels and replaces all previous versions.