

# ACRISIL



## MINERAL ACRYL-SILOXANE ANTI ALGAE COATING FOR INTERIORS AND EXTERIORS

Compliant with the directive 2004/42/CE

### DESCRIPTION

Mineral acryl-siloxane anti algae coating in aqueous emulsion suitable for the protection and the decoration of interiors and exteriors. Excellent quality, very high coverage, sure inalterability to atmospheric agents and to UV rays. Breathability features and at the same time water-repellency.

### COLOR

White or color chart.

### PACKAGING

Kg 5 and kg 25 Plastic containers.

### COMPOSITION

Based on siloxane resins and acrylic micro-emulsions in aqueous dispersion, selected aggregates, inorganic pigments and earth pigments inalterable over time and additives tested to improve the workability.

### USE

For the decoration and the protection of interiors and exteriors of surfaces both old and new as float plasters based on lime and cement, lime based plasters, dehumidifying plasters, water-repellent plasters, mineral finishes, external thermal insulation composite systems, concrete, old coatings and synthetic paints.

### TECHNICAL SPECIFICATIONS

**Specific weight  $\pm 5\%$  UNI EN ISO 2811-1 Grading**

**Dry residue UNI EN ISO 3251**

**PH**

**Viscosity**

**Tint**

**Water absorption coeff. due to capillary action "W<sub>24</sub>" (Allowable limit DIN 4108.3 "W<sub>24</sub>")**

**Water vapor diff. resistance factor m equivalent "Sd" (Allowable limit DIN 4108.3 "Sd")**

**Kuenzle Theory (W \* Sd)**

**(Linite ammesso DIN 4108.3 (W \* Sd))**

**Adhesion on plaster**

**Min. Temp. for the film formation**

**Dilution**

**Limit value UE of the content of VOC (2010)**

**Content of VOC**

**Classification DIRECTIVE 2004/42/CE**

### TYPE F/M

1,6000 Kg/lt

F < 1,0 mm

M < 1,2 mm

87%

$\geq 8$

$\sim 150.000\text{mPa}\cdot\text{s}$

vedi colori cartella

0,1/0,5 kg/(mq\*24 h<sup>1/2</sup>)

< 0,5 kg/(mq\*24 h<sup>1/2</sup>)

0,14 m

< 2m)

< 0,07 kg/(mq\*24 h<sup>1/2</sup>)

< 0,1 kg/(mq\*24 h<sup>1/2</sup>)

> 0,6 N/mm<sup>2</sup>

+5°C

Pronto all'uso

$\leq 40$  gr/lt

$\leq 40$  gr/lt

C/BA

### TYPE S/G

1,650 Kg/lt

G < 1,5 mm

SG < 2,0 mm

87%

$\geq 8$

$\sim 150.000\text{mPa}\cdot\text{s}$

vedi colori cartella

0,1/0,5 kg/(mq\*24 h<sup>1/2</sup>)

0,14 m

< 0,07 kg/(mq\*24 h<sup>1/2</sup>)

> 0,6 N/mm<sup>2</sup>

+5°C

Pronto all'uso

$\leq 40$  gr/lt

$\leq 40$  gr/lt

C/BA

### CERTIFICAZIONI

Tested according to ETAG 004

### AVIABILITY

Type F mm 1,0

Type M mm 1,2

Type G mm 1,5

Type SG mm 2,0

### YIELD

Type F 1,5-2,0 kg/mq thickness about 1,0mm

Type M 1,8-2,3 kg/mq thickness about 1,2mm

Type G 2,0-2,5 kg/mq thickness about 1,5mm

Type SG 2,5-3,0 kg/mq thickness about 2,0mm





## APPLICATION

- Prepare the substrates, both old and new, making sure that are perfectly dried and clean, removing all the crumbling and inconsistent parts and dusts, mud, bitumen, oil stains, etc.
- Brush carefully any old paints not adherent to the substrate.
- Make sure that the substrates are free of saline efflorescence and stains of active humidity.
- Inside make a partial plastering or a complete skim coating with "MALVISTUK" paste stucco or "MICRORAS SB" powder stucco for interiors.
- Outside, if necessary, make a partial plastering or a complete skim coating with "INTORAS M or MC" powder stucco for exteriors.
- Apply the coating after 28 days at least from the plastering.
- Then apply a coat of "ACRISIL PRIMER" to uniform the absorption diluted with clean water in a ratio of 1:2.
- Waiting time for the application of the coating 6/12 hour at least.
- Apply the product with a metal trowel taking care to make an uniform layer on the whole surface.
- Min. thickness of application depending on the grain from 1 to 1,5 mm.
- Level and smooth the surface before the product has started to harden.
- Finish immediately with a plastic trowel with vertical or circular movements depending on the final effect desired or with a sponge float.
- Don't apply on frozen substrates, with frost or possible frost in 24 hours.
- Don't apply in very sunny days.
- Don't apply 'till when the substrate hasn't completely dried.
- Don't apply with strong wind and/or driving rain.
- Protect the decorated substrates from water for 48 hours at least.
- The color effect can vary depending on the environmental conditions and the time of application; is recommended not to apply the coating in different times.
- Is recommended not to make patches because will remain visible.
- Buy all the necessary material in just one batch.
- Don't add any other material to the product.
- We suggest to apply ACRISIL with a temperature between + 5 ° C and + 30 ° C.

## FILM FEATURES

Matt, excellent resistance to dilatations, to water, to UV rays, to alkalis and to chemical aggressions, with excellent filling properties, a very good adhesion to the substrate and inalterability over time, washable, thixotropic, breathable, water-repellent, anti-mould.

## USE

With a metal/plastic trowel, a sponge float.

## DRYING TIME

About 5 hours to the touch.  
Depth dry 48 hours.  
Total hardening 14/21 days.

## COMPATIBILITY

With every product based on resins in aqueous dispersion.

## SUMMARY

The protection and the decoration of interiors and exteriors will be realized with a mineral coating based on siloxane resins in aqueous dispersion, ready for use, with a scratched effect, type "ACRISIL" by MALVIN S.r.l., applied with a metal trowel in just one coat, with a thickness from 1 to 2 mm an average consumption from 1,5 to 3,0 kg/mq depending on the grading, on substrates previously treated with "ACRISIL PRIMER" and finished with a plastic/metal trowel, sponge float, with a water vapor diffusion resistance factor m equivalent "Sd" = 0,14 m , water absorption coefficient due to capillary action "W<sub>24</sub>" = 0,1/0.5 kg/(mq\*24 h<sup>1/2</sup>) e (W \* Sd) < 0,07 kg/(mq\*24 h<sup>1/2</sup>).

*The performance characteristics refer to laboratory tests, values depend on the weather conditions and on the method of implementation. The user must verify that the product is suitable for the intended application.*



# MALVIN

