

MEHLVIT ELS



QUARTZ ACRYLIC ELASTOMERIC WATER-PAINT FOR EXTERIORS Compliant with the directive 2004/42/CE

DESCRIPTION

100% acrylic elastomeric water-paint based on selected fine micronized quartz powders for the protection of concrete and masonries also in aggressive exteriors. Specific for application on exterior plasters based on lime and cement to repair in time micro-cracks. Of excellent quality, good coverage, inalterable over time, anti-carbonatation, washable, thixotropic, water-repellent, breathable, anti-mould.

COLOR

White and color chart.

PACKAGING

Lt. 4 – 14 Plastic containers.

COMPOSITION

Based on elastic acrylic resins in aqueous dispersion, fine micronized quartz powders and selected aggregates, inorganic pigments and earth pigments inalterable over time and additives tested to improve the workability.

USE

For the external decoration and the protection of surfaces both old and new as float plasters based on cement, external thermal insulation composite systems, walls skim coated with stucco, concrete, wood and generally non-ferrous substrates. Perfect for re-decorating. Specific to repair in time micro-cracks both in advance and when the phenomena has already started.

TECHNICAL SPECIFICATIONS

Specific Weight $\pm 5\%$ UNI EN ISO 2811-1

Residue dry UNI EN ISO 3251

PH

Viscosity

Grading EN 1015-1

Formation of films

Elongation at break UNI 8490/17

Elastic return

Covering power

Ultimate strength UNI 8490/17

Water vapour diffusion factor "V"

Water vapour diffusion resistance factor m EQUIVALENT "Sd"

Water permeability "W24"

Kuenzle theory: (W*Sd)

Theoric yield

Min. Temp. for the film formation

Limit Value UE of the content of VOC (2010)

Content of VOC

Classification DIRECTIVE 2004/42/CE

1,320 kg/lt

64%

≥ 8

$\sim 18.000\text{mPa}\cdot\text{s}$

≤ 50 Micron

60 minutes

after 7days 583%

after 7days 58%

0,94%

after 7days 1,3 N/mm²

85 g/mq 24h

0,246 m

0,17 kg/(mq*24 h^{1/2})

$< 0,04$ kg/(mq*24 h^{1/2})

8/10 mq/lt for each coat

+5°C

≤ 40 gr/lt

≤ 40 gr/lt

C/BA

CERTIFICAZIONI

Tested according to ETAG 004.

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.



- Seal little cracks and holes with MEHLVIT ELS mixed with sand.
- In case of cracks ≥ 1 mm is recommended the application of network port plaster with special skim coat plaster "INTORAS" or "INTORAS FLEX".
- 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.
- Seal little cracks and holes with MEHLVIT ELS mixed with sand.
- Then apply a coat of primer "PREVIT" to uniform the absorption diluted with clean water up to a ratio of 1:5 depending on the absorption of the substrate.
- Waiting time for painting 6/12 hours at least.
- Then apply a first coat of product diluted at 30/35% in volume with clean water.
- Then apply a second coat of product diluted at 20/25% in volume with clean water.
- Apply with a roller on the same way.
- Waiting time between the first and the second coat 6 hours at least.
- Apply with a min. thickness of 0,2mm at least.
- To obtain elastomeric reinforced water-paints insert MALVIN TEX TNT microholed between the first and the second coat.
- 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 material in just one batch.
- We suggest to apply MEHLVIT ELS with a temperature between $+ 5^{\circ} \text{C}$ and $+ 30^{\circ} \text{C}$.

FILM FEATURES

Matt, min. dry thickness to obtain 0,2 mm with two coats applied at least 6 hours apart. Resistant to dilatations, in particular is able to bridge without cracks on crazing on the move with max. amplitude up to 0,3 mm. Excellent adhesion to the substrates, very good resistant to aging so consequent stability of the color, resistance aggressive exteriors. Complete permeability to water and a proved anti-carbonatating action and good vapor permeability that allow to the walls to breathe.

DILUTION

From 20 to 35% in volume with clean water; with a roller ready to use.

USE

Brush, spray, roller.

DRYING TIME

About 5 hours to the touch.

COMPATIBILITY

With every product based on resins in aqueous dispersion.

SUMMARY

The protection and the decoration internal and external will be realized with an acrylic flexible quartz water-paint for exteriors based on elastic acrylic resins in water dispersion, fine micronized quartz powders, and selected aggregates up to 50 micron, inorganic pigments and earth pigments inalterable over time and additives tested to improve the workability, type "MEHLVIT ELS" by MALVIN S.r.l., applied in two coats with a brush or by spray dilution from 20 to 35% in volume with clean water; with a roller ready to use, on the min. thickness of 0,2 mm at least, with a yield 8/10 mq/lt for each coat, on surfaces previously treated with primer "PREVIT".

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.



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