

Product description

Operational Sector :	Silicate weather resistant, white dull, façade paint based on a binder combination of silicic oil and water glass according to VOB Part C, DIN 18 363 item 2.4.1.
Features :	<ul style="list-style-type: none">- Excellent adhesion to mineral substrates by binder reaction with the support- Allows high adhesive silicate coating without the use of an additional adhesion promoter to the organic bonded systems (such as new or ancient coatings on dispersion or silicon resin base).- Excellent water vapour diffusion by minimal water take up- First-rate opacity, high white degree, resistant to chalking- Levelling out, easy application- Free of plasticizer and solvents, low odour- Alkaline, therefore no preservative is needed- Euro-Class- free from substances causing magic dust
Composition as per Vdl Directive 01 :	Colloidal silica, sodium silicate, acrylate dispersion, titan dioxide, calcium carbonate, silicate fillers, water, additives
Colour :	white
Specification :	Gloss degree: mat DIN 67 530 Spec. weight : 1.4 - 1.6 g/cm ³ DIN 51 757 pH Value : 11.5 - 12.5 DIN 53 785
Storage :	At least 2 years, if stored in tightly closed original containers, in dry, cool, protected against frost conditions. Storage temperature: between + 5°C up to max. + 30 °C.
VOC content :	EU limiting value for the product (cat. A/c): 40 g/l [0.33 lbs/gal] This product contains 0 g/l VOC [0 lbs/gal]

Application

Processing conditions :	Do not apply below + 5 °C and more than + 35 °C temperature of the object or the environment. Avoid direct sunlight and strong wind.
Suitable substrates :	Limestone, fibred cement boards (please see BFS – Merkblatt Nr. 14), concrete, lime and cement mortar group P Ic, P II and P III, efflorescence free natural stones and firm and sound mineral old paints, as well as old dispersion and synthetic resin rendering. Do not use on wood, varnish or oil paint, as well as substrates with salt efflorescence.
Substrate preparation :	The substrate has to be clean, dry, firm and sound.

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Remove all damaged, not adhesive old layers of paint.
Seal with fluosilicate the renewed roughcast. Reconditioned areas should be set and completely dried. Strongly absorbing substrates should be treated with Mipa Silikat-Verdüner thinned 1:1 with water. The porous substrates covered with old dispersion or silicon resin coats, should be first primed with Mipa Tiefgrund LF.
Protect the neighbouring surfaces, especially glass, ceramic, marble and other mineral supports against paint splashes and wash respectively with plenty of water.

Application :

Brushing, rolling or Airless spraying:

Airless spraying:

spraying angle: 50°

nozzle: 517 / 0.43 mm - 525 / 0.63 mm

pressure: 100 bar

These data are reference values and vary as a function of different types of devices.

Dilution :

Strong absorbing respectively substrates of differentiate absorption, or old, sanding rendering, limestone resistant to frost, as well as treatment of old silicate or mineral paint coats:

Groundcoat: Mipa Silikatverdünner LEF diluted 1:1 with water

Intermediate coat: MipaSol Silikatfarbe diluted with 10% Mipa Silikatverdünner LEF 1:1 with water

Finishing coat: MipaSol Silikatfarbe diluted with 5% Mipa Silikatverdünner LEF 1:1 with water

Substrates of even absorption or new rendering poor absorbing:

Groundcoat: Mipa Silikatverdünner LEF, water and MipaSol Silikatfarbe mixed in same proportion (1:1:1)

Finishing coat: MipaSol Silikatfarbe diluted with 5% Mipa Silikatverdünner LEF 1:1 with water

Application method :

Stir well before use. Apply MipaSol Silikatfarbe in levelled coats. Best results are obtained according to the precision of the application. In this way, a partial second coating will be not necessary.

After treatment :

In case of a surface under permanent water spraying, a water repellent impregnation with Mipa WBS MicroSil will prolong considerably the durability of the treated area.

Drying :

At 20° C and 65% relative air humidity:

surface dry and recoatable: after 1 day

full cure and loadable: after approx. 3 days

At lower temperatures and higher humidity, drying timers will be extended.

Theoretical yield :

Depending on substrate 6 m²/l per operation.

A test coat on the surface is the best guarantee.

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Special recommendations

When silicate paints are used, a gradual increasing of the consistency can occur. This is a characteristic of the system. In this situation dilute with Mipa Silikatverdünner and water 1:1. Moreover, the heavier, stronger colours exhibit the tendency to change their shade after drying. This is a system characteristic. Due to the silicifying of the silicate paint with the substrate, a drying time (optimal 3 days, minimum 1 day) has to be allowed between the individual coats. Insufficient drying will give a spotty and striated surface.

We do not recommend the application by Airless due to the high alkalinity of the spraying mist.

Adverse light conditions (glancing light):

Recommendation: Apply Mipa Ultra or Ultima on smooth surfaces that are exposed to adverse light conditions (glancing light). When coating sealants, such as acrylic sealant compounds, cracks may occur in the coating due to higher elasticity of these substrates. Furthermore, it may cause discoloration in the coating. Due to large number of different sealing systems on the market, we recommend carrying out your own tests to assess the adhesion and coating results in each single case. Repair works on surfaces are more or less visible which depends on the conditions of the object. This is unavoidable according to BFS-Merkblatt Nr. 25, Punkt 4.2.2.1, Abschnitt e).

Safety instructions

MipaSol Silikatfarbe is slightly alkaline. Keep out of the reach of children. Protect eyes and skin against product splashes. Wash away immediately with sufficient clear water. Consider general hygienic rules.

Cleaning of tools

Tools should be cleaned immediately after use or after longer breaks with water.

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