

Technical data sheet

Product description

Operational Sector : Mipa WBS MicroSil Fassadenschutz is a solvent-free silicone-microemulsion concentrate based on silane/ siloxane for water repellent impregnation or priming of mineral substrates such as concrete and plaster, concrete, natural and artificial stone, frost-resistant sand-lime bricks, gas concrete, masonry made of absorbent bricks and unglazed clinker, fibre-cement boards (observe BFS Data Sheet No. 14) and for surfaces that have been painted with mineral paints.

Features :

- solvent-free, low-emission, transparent
- easy to mix with water
- waste avoidance due to concentrate system
- good penetration, protection against driving rain, moisture penetration and soiling
- water repellent, reducing of capillary water absorption
- consolidation effect on the substrate
- good water vapour permeability
- excellent adhesion promotion for subsequent coatings with emulsion, silicate and silicone resin paints

Content as per VdL Silane, alkoxy siloxane

Guideline 01:
(Association of German paint industry)

Colour: yellowish transparent

Specification :

Silan/siloxan content:	100 %
Active substance content:	25 %
Specific weight:	0.96 g/cm ³ DIN 51 757
Viscosity:	1 - 10 dPas DIN 51 565
pH-value:	5 - 6 DIN 53 785

Storage : Storable for at least 1 year tightly closed original container, if stored in dry and frost-free places at a temperature between +5°C and maximum +30°C.

VOC content : EU limiting value for the product (cat. A/h): 50 g/l (2007)/ 30 g/l (2010). This product contains 0 g/l of VOC [0 lbs/gal]

Application

Processing conditions : Do not apply at substrate and ambient temperature below +8°C and higher than 30°C or if exposed to direct sunlight or strong wind. Relative air humidity: max. 75 %

Substrate preparation : The substrate must be free from laitance and other other other less solid layers, loose and friable concrete, damaged concrete, concrete with corrosion-promoting components, impurities and release agents, non-adherent or incompatible coatings.

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In addition, remove completely dust residues resulting from the cleaning process.

Best impregnation results are achieved on a dry, well absorbent substrate.

Mipa WBS MicroSil Fassadenschutz can also be applied on slightly damp surfaces (moisture content maximum 5 % by weight).

Dilution :

Mipa WBS MicroSil Fassadenschutz is an active concentrate. The material must be thinned with water on the construction site. Pour Mipa WBS MicroSil into water, not the other way round. The concentrate is mixed with water in a ratio of 1 : 3 by volume for highly absorbent surfaces or 1 : 4 by volume for moderately absorbent building materials. Afterwards, mix thoroughly. The solution diluted with water has to be applied within 12 hours.

Application process :

In diluted form, apply very generously wet-on-wet to the surface of the building material by flooding with a brush or sprayer 3 - 4 times without pressure, without spray mist. Window panes and adjacent building components must be covered.

Drying times :

The drying depends significantly on the temperature, relative air humidity and absorptivity of the substrate.

- resistant to rain: after approx. 4 - 5 hours

- recoatable : after 24 hours.

Spreading ratio :

Approx. 3 - 4 m² / l solution. The spreading rate is strongly dependent on the substrate.

Safety instructions

MicroSil Fassadenschutz is flammable, irritant. Risk of serious damage to eyes. Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Do not smoke. Do not breathe aerosol. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas.

Cleaning of tools

Clean tools immediately after use with water.

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