

Product description

Operational Sector: This façade paint based on silicone resins with fungicidal properties is suitable to apply highly water-vapour permeable exterior coatings and provides a good protection from fungi and algae.

Features:

- weather-resistant corresponding to **VOB Teil C, DIN 18 363**
- encapsulated active ingredients, therefore dosed and controlled release of active ingredients
- hydrophobic, water repellent, driving-rain proof
- the low fouling tendency protect naturally from fungi, algae or moss
- highly diffusible for water vapour and carbon dioxide
- water thinnable and low in odour
- free from plasticizer
- resistant to alkali
- low tension, excellent opacity
- resistant to aggressive air pollution

Content according to VdL Directive 01: (Association of German paint industry) acrylate dispersion, silicone resin, titanium dioxide, calcium carbonate, silica based filling, water, additives, preservative.

Treaded product: This product contains a biocidal product with film-protecting and preserving properties. Active ingredients: Zinc pyrithione, Terbutryn, 2-octyl-2H-isothiazol-3-one C(M)IT/MIT (3:1). The water from cleaning the equipment must not reach the ground or surface water.

Colour: white

Specification:

gloss level:	matt	DIN 67 530
spec. weight:	1.52 g/cm ³	DIN 51 757
viscosity:	95 dPas	DIN 53 019
pH-value:	8.0	DIN 53 785

Characteristics as per DIN 1062: max. grain size: < 100µm, S₁
equivalent air layer thickness sd (H₂O): (sd-value): < 0,14 m (high), V₁
water permeability (w-value): ≤ 0,1 kg/(m² h^{0.5}) (low), W₃
Tinting may cause deviations in technical characteristics.

Storage : At least 2 years, if the tightly closed original packages are kept dry, protected against frost. Storage temperature: from +5°C up to maximum +30°C.

VOC regulation: EU limit value for the product (cat. A/c): 40 g/l
This product contains max. 15 g/l VOC [0.12 lbs/gal]

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

Application

- Processing conditions :** Do not apply at a substrate and ambient temperature below 5°C and above 35°C or if exposed to direct sunlight or high wind.
- Suitable substrates :** Old and new plastering, mineral supports, as renovation coat on sound old paint layers based on silicate and matt dispersions or synthetic resin.
- Substrate preparation :** The substrate must be clean, sound and dry. Remove completely old paintworks which are not sound. Repaired plaster areas must be well set and desiccated. In case of strongly absorbing, powdery, friable, weathered or coarsely porous surfaces apply a priming coat of Mipa Silikonharz Tiefgrund LF, Mipa Tiefgrund LF or Mipa Tiefgrund LH. In case of exposure to extreme humidity it is recommended applying Mipa WBS MicroSil as priming coat.
- Dilution :**
1st coat: thin with 10 - 15% by volume water
2nd coat: thin with 5 - 10% by volume water.
- Application process :** Rolling, brushing or spraying (Airless):
spraying angle: 50°
nozzle: 0,53 mm
pressure: 150 bar
- Recommendation :** Stir well before use. Apply and spread Mipa Fassaden-Silikonharzfarbe uniformly in order to avoid spotting and shiners caused by varying coat thicknesses.
- Drying times :** At 20° C and 65% relative air humidity:
dry to touch and recoatable : after approx. 12 hours.
rain resistant: after 24 hours.
completely dried: after approx. 3 days.
Lower temperatures and higher air humidity extend the drying time.
- Spreading rate :** Depending on the substrate: approx. 7 m² / liter per operation.
A test coat on the object would give you an exact figure.

Special note

Stir well before use. Apply and spread uniformly in order to avoid spotting and shiners caused by varying coat thicknesses.
The separated water which appears at the surface quickly during the storage is as result of the strong hydrophobicity of the binder and therefore has to be considered as typical for the product. The separated water has to be mixed in the product before application. Mipa Fassaden-Silikonharzfarbe-fungizid has a depot of active substances that inhibits algae and fungi growth. The duration of effectiveness depends on the prevailing object conditions and is temporary due to unfavourable weather and microclimatic conditions (e.g. avoid planting near to facades).

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Furthermore humidity and exposure to fungal and algae spores are limiting the chemical protection effect. A permanent inhibition of algae and fungi growth is therefore not possible.

When coating thermal insulating systems, please observe BFS leaflet no. 21.

For coloured coating, the luminance factor has to be >20. Wet-on-wet application in a single operation is recommended for large application areas. Do not breathe aerosol.

Stir well and strain before Airless application.

In case of non-absorbing, cold substrates or of retarded drying caused by the weather it might be that surfactants and emulsifying agents are separated from the coating by premature exposure to humidity (fog, dew or rain) after application. They appear on the surface in form of whitish transparent runs or shiny areas. The water-soluble additives will be washed away by water, e.g. by several heavy rains. However, the quality of the dried coating won't be affected. If sagging is observed do not rework immediately the surfaces. Nevertheless, if a rework is requested, all runs must be thoroughly and completely washed away with water. To avoid these effects, just apply the product under appropriate weather conditions.

Mechanical stress may cause bright stripes on dark-coloured coatings. This is a typical property of all matt façade paints.

Touch-up marks on the surface depend on numerous factors and are therefore unavoidable. (BFS leaflet no. 25).

Safety instructions

Mipa Fassaden-Silikonharzfarbe-fungizid is slightly alkaline. Protect eyes and sensitive skin against colour splashes. Wash away colour traces immediately with sufficient clear water. Consider general hygienic rules. Biocide must be used carefully. Before using this product please read our Health and Safety Data Sheet as well as technical data sheet for information on safe handling. Users are requested to use this product only according to the process recommendation. The product is not to be used for other purposes than those specified. Improper use may affect your health or the environment.

Cleaning of tools

Tools should be cleaned with water immediately after use or in case of prolonged interruption of work. The water from cleaning the equipment must not reach the ground or surface water.

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