

Technical data sheet

Product description

Intended use:	Water-vapour permeable and weather-resistant facade paint based on silicone resins with fungicidal properties and roll-off effect. Dirt particles that form the breeding ground for algae and fungi are simply washed away by the rain. The special fungicidal properties increase the protection against algae and fungi and therefore, this product is particularly suitable for thermal insulating systems.		
Characteristics:	<ul style="list-style-type: none">- driving rain proof and highly water repellent- real silicone resin paint (approx. 50% of binder) according to FD T30-808- effective film protection against fungi, algae or moss by means of encapsulated active substances that are released in a dosed and controlled manner- allows water rolling off together with soiling- highly permeable to water vapour and carbon dioxide- resistant to aggressive air pollution- free from plasticizers- resistant to alkali and to saponification- low tension- high opacity		
Content according to VdL Directive 01: (Association of German paint industry)	Acrylate emulsion, silicone resin, titanium dioxide, filling, water, additives, preservatives		
Treated 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		
Specifications:	Gloss level:	matt	DIN 67 530
	Viscosity:	approx. 60 dPas	DIN 53 019
	pH:	approx. 8,6	DIN 53 785
Characteristics according to DIN 1062:	Max. grain size: < 100 µm, S ₁ equivalent air layer thickness sd (H ₂ O): (sd-value): < 0,14 m (high), V ₁ water permeability: (w-value): ≤ 0,1 kg/(m ² h ^{0,5}) (low), W ₃ Tinting may change these 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 value for the product (cat. A/c): 40 g/l This product contains max. 22 g/l of VOC.		

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 substrates (plasters of the mortar group P Ic, P II and P III) as well as renovation coatings on suitable silicate paints and matt emulsion paints and synthetic resin plasters.

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.

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Substrate preparation:	The substrate must be clean, solid and dry. Remove old non-adherent paint-works. Repaired plaster areas must be well set and desiccated. In case of powdery, friable, weathered or slightly porous surfaces, apply a priming coat of Silikonharz Tiefgrund LF. In case of exposure to extreme humidity, it is recommended applying Mipa WBS MicroSil as priming coat. (Observe technical data sheet).
Dilution:	1 st coat: thin with 5 - 10 % by volume with water, 2 nd coat: thin with 0 - 5 % by volume with water.
Application process:	Rolling, brushing or Airless spraying: spraying angle: 50 ° nozzle: 0,53 mm pressure: 150 bar
Drying time:	Dry on the surface and recoatable after approx. 12 h at 20 °C and 65% relative air humidity, rain-resistant after 24 hours. Completely dry and stress-resistant after approx. 3 days. Lower temperatures and higher air humidity extend the drying time.
Spreading rate:	approx. 7 m ² /l per operation depending on the substrate. A test coat on the object would give you an exact figure.

Special note

Stir well before use. Apply and spread uniformly 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. Simply mix the separated water in the product before application.

Mipasan-Silikonharzfarbe FE 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). 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. This effect strongly depends on the intensity of the shade and is therefore more or less visible, but has absolutely no impact on the quality of the product. The additives are water-soluble and will be washed away by water, e.g. by several heavy rains.

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.

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Safety advice

Mipasan-Silikonharzfarbe FE is slightly alkaline. Protect eyes and sensitive skin against colour splashes. Wash away colour traces immediately with sufficient clear water. Consider general hygienic rules. Use this product only according to the directions for use. 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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