

OptiSilan TiefGrund

Deeply penetrating, hydrophobic silicone resin primer for exterior and interior use.



Product description

Field of Application

Transparent silicone resin-based primer. Consolidating and levelling on highly porous absorbent, crumbling plasters/renders, masonry and concrete surfaces and plasterboards, (gypsum gypsum plasters, gypsum fillers and weakly bound dispersion filler. Can subsequently be coated with dispersion, silicone resin and polymer resin paints. OptiSilan TiefGrund, with its extremely fine-particle polysiloxane binders, is particularly deeply penetrating and hydrophobic.

Material Properties

- Deeply penetrating effect due to polysiloxane hydrosol
- Water-repellent
- Very good consolidating properties
- ideal for ThermoSan, AmphiSilan, Muresko

Material base

Combination of polysiloxane and special synthetic dispersion

Packaging/Package Size

Container size, standard products 2.5 l, 10 l

Colours

Green-transparent

Storage

Cool, but frost-free.

Technical data

- Density: approx. 1.0 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	+	+
(-) inapplicable / (o) of limited suitability / (+)				

Application

Suitable Substrates

Substrates must be dry, clean and free from all substances that may prevent good adhesion. Follow VOB, Part C, DIN 18363, section 3. Please see Technical Information No. 650, "Substrates and their preparation" for suitability of the primer on different substrates and their special pre-treatment.

Substrate preparation

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Method of application	Application with a paint brush or block brush will achieve the full, consolidating effect if generously applied and worked in. Application with an airless device or roller is also possible.
Surface coating system	Once undiluted on normally absorbent substrates. On highly absorbent surface, once undiluted, but generously. If necessary, dilute with 1 part water and apply wet on wet with block brush, paint pad or paint brush until the substrate is completely saturated. The primer must not form a closed, shiny film.
Consumption	Apply approx. 150-250 ml/m ² , depending on absorbency and nature of the substrate. Exact consumption must be determined in a trial application.
Application Conditions	Temperature of product, ambient air and substrate: Min. +5 °C to max. +30 °C.
Drying/Drying Time	At +20°C and 65% relative humidity, recoatable after approx. 12 hours. At lower temperatures, extend the drying time accordingly.
Airless application:	Spray angle: 60° Nozzle : 0.029 Spraying pressure: 50 bar Clean tools/equipment with water immediately after use.
Note	OptiSilan TiefGrund is not suitable for horizontal surfaces impacted by water

Information

Hazard information/ safety advice (Status as at date of publication)	May cause allergic skin reactions. If medical advice is needed, have packaging or identification label at hand. Avoid contact with the eyes, skin and clothing. Wear protective gloves/goggles. ON CONTACT WITH SKIN: Wash with plenty of water and soap. Contains: 1,2-Benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one. Hotline for allergy queries and technical advice: 0800/1895000 (no charge from German landline).
Disposal	Hand over liquid material to collection point for old paint/varnishes, and dispose of dried/hardened product residues as construction and demolition waste or municipal/domestic waste.
EU limit value for the VOC content	This product contains max. < 1 g/l VOC.
Product Code Paints and Enamels	GISCODE: BSW20 (Previously M-DF01)
Substances of Content – Declaration	Polyacrylic resin, water, additives, preservatives (methy-/benzisothiazolinone)
Further information	See Safety Data Sheet.
Technical Assistance	It is impossible to list the wide variety of substrates and their specific problems in this information leaflet. If substrates are to be coated that are not listed in this Technical Information, please contact us or our technical sales staff. We will happily provide you with detailed, specific advice.
Customer Service Centre	Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de

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This Technical Information is based on the latest technical developments and on our experience. Due to the wide variety of substrates and project conditions, however, these instructions do not release the purchaser/user from his obligation to determine the suitability of our materials with regard to technical and application requirements, on his own responsibility, for the proposed purpose under the project characteristics. This Technical Information is only valid in its most recent version. Please check whether this version is the most recent at www.caparol.de