

OptiSilan TiefGrund

Deep penetrating, hydrophobic silicone resin primer
for exterior and interior use



Product Description

Field of Application

Transparent silicone resin-based primer

OptiSilan TiefGrund is especially deep penetrating and hydrophobic due to the particularly fine-particle polysiloxane-hydrosol binder.

Consolidating and egalising on coarsely porous, absorbent, slightly sanding renders, masonry and concrete surfaces, gypsum boards (GK boards), gypsum plasters, gypsum filler and weakly bonded dispersion filler. Subsequently coatable with dispersion, silicone resin and polymer resin paints.

Material Properties

- Deep penetrating effect due to polysiloxane hydrosol
- Hydrophobic
- Very good strengthening
- Water-dilutable

Material Base / Vehicle

Combination of polysiloxane and special plastic dispersion

Packaging/Package Size

Standard product: 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
+	+	+	+	+
(-) not suitable / (○) conditionally suitable / (+) suitable				

Application

Suitable Substrates

The substrates must be free from dirt, separating substances and dry. Observe VOB, Part C, DIN 18363, Para. 3. For substrate pre-treatment, please also observe our Technical Information No. 650 "Substrates and their pre-treatment".



TECHNICAL INFORMATION NO. 663

Substrate Preparation	Note Q2/Q3 Filling / thin gypsum layers < 0.5mm When using gypsum-containing, hydraulically setting levelling compounds in quality level Q2/Q3, a transparent, water-based primer is recommended. For this, we refer to the "Maler&Lackierer leaflet No. 2 -9/2020" "Adhesion problems of coatings on filled gypsum (cardboard) boards" of the Bundesverband Farbe, Gestaltung, Bautenschutz and the Bundesausschuss Farbe und Sachwertschutz. As an alternative to gypsum-based Q3 filling, filling with pasty filling compounds has proven successful.
Method of Application	With a brush, roller or brush, the full, consolidating effect is achieved through saturated application and working in. Airless application: Spray angle: 60° Nozzle: 0.029 Spray pressure: 50 bar
Surface Coating System	On normally absorbent substrates apply once undiluted. On highly absorbent surfaces apply once undiluted, but saturating. If necessary, dilute with 1 part water and apply wet-on-wet with a brush, paint brush or paintbrush until the substrate is fully saturated. The primer must not form a closed, glossy film.
Consumption	Depending on absorbency and condition of the substrate approx. 150-250 ml/m ² . Determine exact consumption by trial coating.
Application Conditions	Material, circulating air and substrate temperature: 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, allow for correspondingly longer drying times.
Tool Cleaning	Clean tools with water immediately after use.
Note	OptiSilan TiefGrund is not suitable for horizontal surfaces exposed to water.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)	May cause an allergic skin reaction. If medical advice is needed, have packaging or label at hand. Keep out of the reach of children. Do not get in eyes, on skin or on clothing. Wear protective gloves/ eye protection. IF ON SKIN: Wash with plenty of soap and water. Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Hotline for allergy enquiries 0800/1895000 (free of charge from the German landline network).
Disposal	Dispose of liquid material residues at the collection point for old paints/lacquers, dispose of dried material residues as construction and demolition waste or as municipal or household waste.
EU limit value for the VOC content	This product contains max. < 1 g/l VOC
Product Code Paints and Enamels	GISCODE: BSW20
Technical Assistance	All substrates that occur in practice and their technical processing cannot be dealt with in this brochure. If substrates are to be treated that are not listed in this Technical Information, it is necessary to consult with us or our sales representatives. We will be happy to provide you with detailed and object-related advice.
Customer Service Centre	Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de International Distribution: Please see www.caparol.com

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.663 · OptiSilan TiefGrund · Issued: April 2022