

OptiGrund

SilaCryl-based, deeply penetrating, special primer with hydrophobic effect. For exterior and interior use.
Detectable due to a special black light-reflecting finish.



Product Description

Field of Application

Primer to equalize/level the absorbency on rough, porous, absorbent or slightly sanding render/plaster and concrete surfaces and interior gypsum building- and plasterboards, before applying emulsion-, silicone resin- or polymer resin paints.

OptiGrund may also be used in rooms without explosion-proof fittings or in insufficiently ventilated areas, as well as in rooms used for processing or storing foods and luxury foodstuffs.

Due to the special SilaCryl technology (extremely fine particles) the primer is deeply penetrating to the substrate and enhances hydrophobic properties. In conjunction with a black light lamp, the special UV indicator provides verification of priming even after a following coat.

To do this, the coating is carefully scraped away down to the substrate and illuminated with an ultraviolet lamp. OptiGrund is then characterised by a bluish/purple reflection.

Material Properties

- Low odour.
- Emission-minimised.
- Solvent-free.
- Enhances hydrophobic properties.
- Ready-to-use.
- Easy to apply.

Material Base / Vehicle

Silicone modified, aqueous acrylic resin hydrosol.

Packaging/Package Size

1 l, 5 l and 10 l

Colours

Blue-transparent

Storage

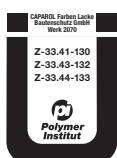
Keep in a cool, but frost-free place.

Technical Data

- Density: Approx. 1.02 g/cm³

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

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



Application

Suitable Substrates	The substrates must be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18363, section 3.
Substrate Preparation	See Technical Information No. 650 for suitability of OptiGrund on different substrates and their special pre-treatment.
Surface Coating System	On substrates with normal absorbency: Apply one coat of undiluted product. On highly absorbent surfaces: One liberally applied coat of undiluted OptiGrund is necessary to soak the surface. The priming coat must not form a compact, glossy film on the surface, but due to the special UV indicator a slight surface lustre will appear.
Consumption	Approx. 150 - 200 ml/m ² depending on the substrate absorbency. Determine the exact amount of material required by coating a test area on site.
Application Conditions	Lower Temperature Limit for Application and Drying: +5 °C for product, substrate and ambient air.
Drying/Drying Time	At +20 °C and 65 % relative humidity recoatable after approx. 12 hours. Lower temperatures extend the drying times.
Tools	OptiGrund may be applied by paint brush, roller or spraying equipment. Airless application: Spray angle: 60° Nozzle size: 0.029" Pressure: 50 bar Clean tools/equipment immediately after use with water.
Note	Do not apply OptiGrund on horizontal surfaces exposed to rain/water or moisture. Compatibility with other Materials: To retain the specific properties, OptiGrund should not be mixed or thinned with any other materials.

Advice

Please Note (Status as at Date of Publication)	Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Do not breathe spray dust. Further information: See Material Safety Data Sheet (MSDS). Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. In Germany: Advice for allergy sufferers with isothiazolinone allergy: Hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).
Disposal	Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste
EU limit value for the VOC content	of this product (category A/h): max. 30 g/l (2010). This product contains < 1 g/l VOC.
Product Code Paints and Enamels	M-GF01 (Germany)
Substances of Content - Declaration	Acrylic resin hydrosol, water, additives, preservative (Methylisothiazolinone, Benzisothiazolinone).
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
Customer Service Centre	Tel.: (+49) 0 61 54 / 71 17 10 Fax: (+49) 0 61 54 / 71 17 11 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.660 · OptiGrund · Issued: October 2015