

# AmphiSilan Tiefgrund

Special primer with hydrophobic effect, for exterior use.



## Product Description

Field of Application

For solidifying priming coats, equalizing the surface absorbency of highly porous, absorbent, slightly sanding exterior renders and calcium silicate (sand-lime) brick masonry. Also perfectly suitable for use within the ThermoSan System.

Material Properties

- Solvent-free, ecologically compatible, low odour.
- Hydrophobizing.
- Ready-to-use.
- Easy to apply.

Material Base / Vehicle

Combination of polysiloxane and a special synthetic dispersion/emulsion.

Packaging/Package Size

10 litres

Storage

Keep in a cool, but frost-free place.

Technical Data

- Density: Approx. 1.0 g/cm<sup>3</sup>

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 substrate 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

Concerning the suitability on different substrates and their necessary pre-treatments, please see our Technical Information No. 650 "Substrates and their Preparations".

Method of Application

AmphiSilan Tiefgrund can be applied with all common paint brushes, rollers or spraying equipment.

### Airless Application:

Nozzle size: 0.029"  
Spray gun pressure: 50 bar  
Spray angle: 60°



Surface Coating System	Apply one coat of undiluted AmphiSilan Tiefgrund on normally absorbent substrates. On highly absorbent substrates apply also undiluted, but liberally, saturating the full surface. The priming coat must not form a continuous, glossy film on the surface. When adding/mixing max. 10 % of AmphiSilan Tiefgrund into ThermoSan, an additional priming coat can be omitted in most cases. Follow Technical Information No. 156.
Consumption	Approx. 150 - 250 ml/m <sup>2</sup> depending on substrate requirements. Determine the exact amount of material required by coating a test area on site.
Application Conditions	<b>Lower Temperature Limit for Application and Drying:</b> +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 and higher humidity extend the drying time.
Tool Cleaning	Clean tools/equipment immediately after use with water.
Note	Do not apply on horizontal surfaces exposed to rain/water and moisture.  <b>Compatibility</b> Do not mix or dilute/thin AmphiSilan Tiefgrund with other materials to retain the specific properties.

## 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	Polyacrylate resin dispersion (emulsion), polysiloxane, 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 <a href="http://www.caparol.com">www.caparol.com</a>

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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.662 · AmphiSilan Tiefgrund · Issued: October 2015