

# Sylitol® Konzentrat 111

Primer and thinner (concentrate) for exterior and interior use.



## Product Description

**Field of Application**

Suitable for consolidating mineral substrates and equalising the absorbency of highly or unevenly absorbent substrates. Also suitable for thinning Sylitol® facade paints, exterior renders or interior paints. Unsuitable for pure silicate paints. Please use Sylitol® NQG Konzentrat (Concentrate) for Sylitol® NQG and Sylitol® NQG-W.

**Material Properties**

- Water-dilutable.
- Good penetration to the substrate.
- In concentrated form.
- Solvent-free.

**Material Base / Vehicle**

Potassium silicate (waterglass) with organic stabilizers according to German standard DIN 18 363, section 2.4.1

**Packaging/Package Size**

2.5 litres and 10 litres

**Colours**

Transparent

**Storage**

Keep in a cool, but frost-free place. Keep partially used containers tightly closed. Store only in plastic containers. Shelf life: Approx. 12 months.

**Technical Data**

- Density: Approx. 1.1 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 18 363, section 3.

**Substrate Preparation**

Substrate preparation depends on the existing substrate and its condition. This is described for the relevant Sylitol® materials. Please follow the corresponding current Technical Information.



Method of Application	<p>When used as thinner, please follow the Technical Information of the Sylitol® product to be thinned. As a primer or drying out block (anti-porosity treatment, equalising the absorbency of substrates to avoid prematurely drying), use 1 - 2 parts by vol. of Sylitol® Konzentrat 111 (Concentrate) diluted with 1 part by vol. of tap (potable) water, up to full saturation of the substrate. Apply wet-on-wet, if necessary, and intensively work in with a surface brush or whitewash brush.</p> <p><b>Covering Measures:</b> Carefully cover the surrounding area, e.g. painting/varnishing, clinkers, natural stone, metals, uncoated or glazed/stained wood. Wash off paint splatters immediately with plenty of clean water. Protect scaffoldings with tarpaulins in case of strong wind.</p>
Consumption	Approx. 100 – 350 ml/m <sup>2</sup> (diluted with tap water) depending on substrate requirements (absorbency and texture). 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> +8 °C for product, ambient air and substrate.
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. Use rinsing agent (washing-up liquid), if necessary. During breaks keep tools dipped in the primer/paint or under water.
Note	<p>Do not apply under direct sunlight, on sun-heated surfaces, in rain, extremely high relative humidity (damp mist/fog), strong wind, imminent rain or night frost. Use scaffolding nets, if necessary. Do not apply on enamels, substrates with salty efflorescence, synthetic materials (plastics) and wood. Do not apply on horizontal surfaces exposed to rain or moisture. An efficient water drain must be present for areas with a low down-grade.</p> <p><b>Compatibility with other Paint Materials:</b> Only compatible with emulsion-silicate products. Do not mix Sylitol® Konzentrat 111 (Concentrate) with other materials.</p>

## Advice

Please Note (Status as at Date of Publication)	<p>Keep out of reach from children. Use dust filter P2 while sanding or grinding. 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.</p> <p>Due to its potassium silicate content, the reaction of silicate based coatings is highly alkaline. Hence protect skin and eyes from paint.</p> <p>The areas adjoining the surface to be coated must be carefully masked, in particular glass, ceramics, enamel/varnish coating, clinkers, natural stones, wood and metals. Wash splashes immediately and completely with plenty of clean water.</p> <p>Further information: See Material Safety Data Sheet (MSDS).</p>
Disposal	<p>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 re-moving wastage from site in compliance with standard construction site procedures.</p> <p>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.</p>
EU limit value for the VOC content	of this product (category A/a): max. 30 g/l (2010). This product contains max. < 1 g/l VOC.
Product Code Paints and Enamels	M-SK01 (Germany)
Substances of Content - Declaration	Potassium silicate, acrylic resin dispersion/emulsion, water, additives
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	<p>Tel.: (+49) 0 61 54 / 71 17 10 Fax: (+49) 0 61 54 / 71 17 11 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a></p>

### Technical Information No. 191 · Issue: August 2015

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. 191 · Sylitol® Konzentrat 111 · Issued: August 2015