

Sylitol Bio-Innenfarbe

High-grade, solvent-free, silicate-based interior paint – suitable for allergic persons –



Product Description

Field of Application:

High-quality paint for interior walls and ceilings, e.g. in living quarters, schools, children's nurseries, public buildings, and for the preservation of monuments and historic buildings. Due to the allergen-free formulation ideally suited for allergic persons. Particularly suitable for coatings on uncoated mineral renders/plasters of mortar classes Pl, PII and PIII, concrete, sandlime brick masonry, Capaquarz glass fleece wall coverings, wood-chip wallpapers and sound silicate-based coatings. Capaver glass fabric wall coverings, gypsum plasters, gypsum plaster-boards, gypsum building-boards and sound existing dispersion-based paint can be coated after adequate pre-treatment. Interferes bactericidal/fungicidal growth due to the natural alkalinity of binder.

Properties:

- Free of preservatives.
- Solvent-free.
- Free of softeners.
- Free of fogging-active substances.
- Hygienically harmless for the room air.
- **Test Certificate of TÜV Nord** for white standard material.
- External quality control.
- Water-thinnable.
- Ecologically compatible and low odour.
- White.
- Very easy to apply.
- Highly diffusion-capable, $s_d \text{ H}_2\text{O} < 0.02 \text{ m}$ to DIN EN 1062.
- Sylitol coatings are permeable to moisture (damp) and preserve the water-vapour permeability of substrates.
- Non-combustible, A2 to DIN 4102.

Packaging:

Standard Product
Sylitol Bio Innenfarbe
 5 litres and 12.5 litres
Off-white: 12.5 litres

Sylitol Bio Innenfarbe Airfix White/Off-white
 Ready to use for roller and spray application. For economic application with airless equipment.

25 litres hobbock
 120 litres paint barrel
 220 litres Quick-Box

Standard product ColorExpress
 7.5 litres and 12.5 litres

Characteristics to DIN EN 13 300:

- **Wet abrasion:** Class 3, corresponds as wash-resistant to DIN 53 778.
- **Contrast ratio:** Hiding power / opacity class 2 (yield: 7 m²/l or 140 ml/m²).
- **Gloss level:** Mat (dead flat)
- **Maximum particle size:** Fine (<100 µm)

Vehicle:

Potassium silicate (waterglass) with organic stabilisers to DIN 18 363, para. 2.4.1.

Density:

Approx. 1.5 g/cm³

Colours:

White and Off-white (approx. RAL 9010). **Sylitol Bio-Innenfarbe** can be tinted max. 10% with Sylitol colourants. Self-tinted material must be prepared in advance and mixed in order to avoid colour differences.

Quantities of 100 litres or more in individual shades may be ordered ready-tinted from the factory; light-coloured up to a luminosity of approx. 70.

TÜV Nord certificate and Natureplus testing seal refer to white material. The tinting process influences the allergen-free formulation.

Sylitol Bio-Innenfarbe can be tinted via the ColorExpress tinting machine system in all current colour collections (light-coloured up to a luminosity of approx. 70).

Storage:

Cool, but frost-free.
 Shelf life is approx. 12 months.
 Store materials only in plastic containers.

Please Note (Status: January 2009):

Keep out of reach of children. The material has an alkaline reaction. Protect eyes and skin from splashes. In case of contact with eyes or skin, rinse immediately with plenty of water. Do not breathe spray dust. Do not empty into drains, water courses and onto the ground.

Further information: See Safety Data Sheets.

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 emptied containers should be given for recycling. Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

Product Code Paints and Enamels:

M-SK01

Substances of Content - Declaration:

Calcium carbonate, water, potassium silicate, mica, titanium dioxide, kaolin, styrol acrylate copolymer, paraffin wax, stabilisers, disperser, filler, thickener, defoamer.

Supplementary Products:

Sylitol-Volltonfarben / Colourants
 For self-tinting Sylitol Bio-Innenfarbe / Follow Technical Information No. 195.

Caparol-Haftgrund / Primer
 White pigmented primer with high adhesion to substrates. To be applied prior to the application of Sylitol Bio-Innenfarbe. Follow Technical Information No. 658.



Application

System of Application:

Apply one generous and uniform coat of Syllitol Bio-Innenfarbe, undiluted or thinned with max. 5 % of tap (potable) water.

Substrates of highly contrasting colours:

Apply a preliminary priming coat of material, diluted up to 5% with tap water.

Highly or irregularly absorbent substrates:

Apply a preliminary priming coat of Caparol-Haftgrund.

Method of Application:

Brush, roller or airless spray application.

Airless application:

Spray angle: 50°

Nozzle size: 0.026"

Spray gun pressure: 150 – 180 bar

Clean tools immediately after use with water.

Consumption:

Approx. 140 ml/m² per coat on smooth substrates. On rough-textured surfaces accordingly more.

The exact rate of consumption is best established by a trial application.

Minimum Temperature for

Application and Drying:

+8 °C for material, substrate and ambient air.

Drying Time:

At + 20 °C and 65% relative humidity, surface-dry and recoatable after 4 – 6 hours. Completely dry and ready for stress after approx. 3 days.

Lower temperatures and/or higher relative humidity extend the drying process.

Note:

Do not mix with other coating materials, in order to preserve the specific properties.

To avoid lapping during application apply wet-on-wet without interruption.

Do not apply on enamels, substrates with salty efflorescence, synthetic materials and wood.

On darker shades mechanical stress (scratching) may produce the forming of bright stripes.

Stir the material thoroughly and sieve before airless application.

Due to the use of Caparol-Tiefgrund TB in the interiors, a typical solvent odour is released, hence proper ventilation must be provided during the application. Use non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.

Protective Measures:

The areas adjoining the surface to be painted must be carefully masked, in particular glass, ceramics, enamel/varnish coatings, clinkers, natural stone, untreated or glazed wood and metals.

Wash-off paint splashes immediately with plenty of clear water.

Suitable Substrates and their Preparation

The substrate must be sound, dry, clean, and free from salts and all materials that may prevent good adhesion.

Follow VOB, part C, DIN 18 363 para. 3.

Sintered, Chalking or Powdering

Mineral Substrates:

Clean the surface intensively by mechanical means or treat them with a suitable fluosilicate sealing agent and then wash thoroughly with tap water.

New Renders/Plasters

Class P Ic Hydraulic Lime Plasters

Class P II Lime-Cement Mortars

Class P III Cement Mortars

and existing P I renders/plasters:

Coat firm, normally absorbent renders without pre-treatment. Highly porous, sanding, absorbent substrates: Apply a priming coat of Syllitol Concentrate 111, diluted 2:1 with tap water. Allow repaired areas to dry, treat them with fluosilicate Histolith Fluat and wash subsequently with tap water.

Gypsum Plasters (Mortar Class P IV):

Prime firm surfaces with Caparol-Haftgrund. Strengthen soft gypsum plasters with Caparol-Tiefgrund TB and apply an intermediate coat of Caparol-Haftgrund after proper drying.

Sand (grind) sintered surfaces and remove the dust. Prime with Caparol-Tiefgrund TB. Allow to dry and apply an intermediate coat of Caparol-Haftgrund.

Loam Rendering:

Clean the surface to be coated and prime with Syllitol Concentrate 111, diluted in 2:1 ratio. Then check for brown discoloration by a trial application.

Gypsum Plasterboards:

Abrade filling-burrs and prime with Caparol-Haftgrund.

Strengthen soft gypsum-fillings with Caparol-Tiefgrund TB and prime with Caparol-Haftgrund.

Boards with water-soluble and discolouring substances of content must be primed with Caparol AquaSperrgrund fine and then applied with an intermediate coat of Caparol-Haftgrund. (Follow BFS Data Sheet No. 12).

Gypsum Building Boards:

Prime with Caparol-Haftgrund.

Concrete:

Remove residues of release agents and powdery, sanding substances. Prime with Caparol-Haftgrund.

Sandlime Brick Masonry:

Dry wire brushing of salty efflorescence.

Fair-Faced Brick Masonry:

Prime with Caparol-Haftgrund.

Sound Coatings of Lime, Cement or Silicate Paints:

Prime highly absorbent surfaces with Syllitol Concentrate 111, diluted 2:1 with tap water.

Sound, Matt Coatings of Dispersion Paints and Synthetic Resin-Bound Renders / Plasters:

Prime with Caparol-Haftgrund.

Unsound Existing Coatings:

Remove unsound enamel and dispersion paint or synthetic-resin bound render/plaster coatings completely and prime with Caparol-Haftgrund.

Remove unsound mineral paint coatings completely by mechanical means and prime with Syllitol Concentrate 111, diluted in 2:1 ratio with tap water.

Distemper Paint:

Wash-off the coating completely and prime with Caparol-Tiefgrund TB. Apply an intermediate coat of Caparol-Haftgrund.

Uncoated Wood-Chip Wallpapers:

Coat without pre-treatment.

For ingrain and embossed wallpapers a trial application should be completed.

Capaver Glass Fabric Wall Coverings:

Priming coat with Caparol-Haftgrund.

Non-Adherent Wallpapers:

Remove the wallpapers completely and wash off glue and remnants of lining.

Prime the substrate with Caparol-Tiefgrund TB and apply an intermediate coat of Caparol-Haftgrund.

Mildewed Surfaces:

Remove mould infestation completely by mechanical wet cleaning, then treat the surface with Capatox and allow to dry well. Complete in compliance with legal and official regulations (follow e.g. Biocidal Products Directive and Ordinance on Hazardous Substances).

Small Defects:

After having completed the necessary preparations, repair small damages with filler Caparol-Akkordspachtel or Caparol-Füllspachtel P according to the manufacturer's recommendations and apply a priming coat of Caparol-Haftgrund. Gypsum fillings must be primed with Caparol-Tiefgrund TB.

Advice

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:

☎ (+49) 0 61 54 / 711710

Fax No.: (+49) 0 6154 / 711711

e-mail: kundenservicecenter@caparol.de

International Distribution:

Please see www.caparol.com

Technical Information No. 396 - Revised: January 2009

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. 396 Syllitol Bio-Innenfarbe - Issued: May 2008

CAPAROL Farben Lacke Bautenschutz GmbH · Roßdörfer Straße 50 · D-64372 Ober-Ramstadt · Tel. +49 (061 54) 71-0 · Fax +49 (061 54) 71 13 91 · Internet: www.caparol.com
Berlin Office · Schnellerstraße 141 · D-12439 Berlin · Tel. +49 (030) 63 94 6-0 · Fax +49 (030) 63 94 62 88

DAW International Business: **Deutsche Amphibolin-Werke von Robert Murjahn Stiftung & Co KG** · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 (061 54) 71-12 74
Fax +49 (061 54) 71-12 64 · E-mail export@daw.de · Internet www.caparol.com