

Histolith® Mineralin

The mineral textured coating



Product Description

Field of Application	<p>Suitable as a primer, intermediate and top coat for interior and exterior use.</p> <p>Filling facade coatings on renders, stable matt silicate, silicone resin and dispersion silicate paints.</p> <p>Texturing, for optical levelling of unevenly rubbed mineral renders or textural levelling of re-rendered areas. Well suited for filling fine render cracks. Can be used as a finely textured intermediate coat before creative silicate glazing techniques.</p>
Material Properties	<ul style="list-style-type: none"> ■ Structural levelling ■ Shrinkage cracking slurries up to 0.1 mm ■ Highly weather resistant ■ Lightfast mineral pigmentation ■ Contains quartzitic silicifiable aggregates ■ Highly alkaline, pH value approx. 11 ■ Non-combustible
Material Base / Vehicle	Potassium water glass with organic additives according to DIN 18363, section 2.4.1.
Packaging/Package Size	Bucket 20 kg
Colours	<p>White</p> <p>Factory tinting in many colour shades on request</p> <p>Self-tinting with <i>Histolith® Sol-Silikat Volltonfarbe</i> up to 10 % is possible. The desired texture and fullness is not achieved with higher additions.</p> <p>Can be tinted by machine using the Color Express system with inorganic colour pastes.</p> <p>Before application, the material must be checked for colour accuracy and condition. Complaints regarding deviations from the delivery target can no longer be recognised after application. Reference is made to the VDPM's "Leitfaden zu Prüfpflichten bei Anlieferung von Tönware im Rahmen der Untersuchungs- und Rügepflicht (§ 377 HGB)".</p> <p>Colour Resistance according to BFS Data Sheet No. 26: Category: B Group: 1</p>
Gloss Level	Class G3 (matt) according to DIN EN 1062-1
Storage	Cool, but frost-free



TECHNICAL INFORMATION NO. 1005

Technical Data

- Maximum particle (grit) size: Class S3 according to DIN EN 1062-1
S < 1500 µm according to EN ISO 787-7
- Density: approx. 1.6 g/cm³
- Maximum grit size: p: approx. 0.4 mm
- Dry film thickness: Class E4 according to DIN EN 1062-1
E = 200-400 µm
- Diffusion-equivalent air layer thickness s_{dH_2O} : Class V1 (high) according to DIN EN 1062-1
sd < 0.14 m according to EN ISO 7783-2
- Water permeability (w-value): Class W1 (high) according to DIN EN 1062-1
W > 0.5 kg/(m²h^{1/2}) according to EN 1062-3

Supplementary Product

Histolith® Antik-Lasur

Note

The fixed values stated represent average values that may vary slightly from delivery to delivery due to the use of natural raw materials.

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 substrate must be solid, load-bearing, free from soiling, separating substances, dry, absorbent and frost-free. Observe VOB, Part C, DIN 18363, Para. 3.

Substrate Preparation

Mask window sills and add-on parts.
Carefully cover glass, ceramic, clinker, natural stone, painted, glazed and anodised surfaces.

Old unpainted renders and old mineral coatings:

Clean the surface well. Remove any layers of low strength.

New renders according to DIN EN 998-1 class CS I - CS IV:

Before coating, a standing time of at least 7 days at 20 °C and 65% relative humidity must be observed. Treat render repairs / sintered skin with *Histolith® Fluat*.

Old, stable, matt emulsion paint coats:

Oberfläche gut reinigen. Eine Grundbeschichtung mit *Histolith® Mineralin*, verdünnt mit ca. 5 % *Histolith® Sol-Silikat Fixativ*.

Distemper coatings:

Wash off thoroughly. Apply a primer coat with *Dupa-Putzfestiger*.

Brick masonry:

Only masonry made of absorbent bricks is suitable as a substrate. Hard-fired bricks and clinker bricks are not suitable. If possible, create a test surface and check the compatibility of the paint. Clean the surface thoroughly. Repair damaged mortar joints.

Prime with *Histolith® Sol-Silikat Fixativ*, diluted 2 : 1 to 1 : 1 in water depending on the absorbency of the substrate. For bricks with water-soluble, discolouring ingredients, apply a primer coat with *Caparol Aqua-Sperrgrund*.

Natural stones:

Only absorbent natural stone is suitable as a substrate. If possible, create a test surface and check the compatibility of the coating. Clean the surface thoroughly. Remove layers of low strength. Please note: In the case of natural stone with water-soluble ingredients, these can bloom on the painted surface and cause stains.

Concrete:

Remove any release agent residues.

Gypsum plasters according to DIN EN 13279-1 / compressive strength min. 1 N/mm²:

Strengthen soft gypsum plasters with *Histolith® Sol-Silikat Fixativ*. Smooth and remove dust from gypsum plasters with sintered skin, prime with *Histolith® Sol-Silikat Fixativ*.

Plasterboard:

Grind off filler burrs. Consolidate soft gypsum levelling areas with *Histolith® Sol-Silikat Fixativ*. For boards with water-soluble, discolouring ingredients, apply a primer coat with *Caparol AquaSperrgrund fein* (observe BFS data sheet no. 12).

Fungal or algae-infested surfaces:

Wet clean surfaces with fungal or algae infestation. After drying, treat the surfaces with *Capatox* and leave to dry.

Mould-infested surfaces:

Wash off mould infestation. After drying, treat the surfaces with *Capatox* and leave to dry.

Preparation of Material

Stir the contents of the container thoroughly with a slow-running agitator.
Dilutable up to max. 10 % with *Histolith® Sol-Silikat Fixativ*.

Method of Application

Brushing, rolling or spraying with powerful airless piston devices.

Spray application: e.g. with Inotec InoBeam M8 peristaltic feed pump.

Material dilution: up to max. 10% *Histolith® Sol-Silikat Fixativ*.

Nozzle size: 4 mm, spraying pressure: 3-4 bar

Finish contiguous surfaces without interruption to avoid lapping. Divide large facades into clauses, apply continuously wet-on-wet and structure.

Surface Coating System

Weakly and evenly absorbent mineral substrates:

Priming and finishing coat, diluted with approx. 5 % *Histolith® Sol-Silikat Fixativ*.

Highly and unevenly absorbent or sanding mineral substrates:

A primer coat with *Histolith® Sol-Silikat Fixativ*, diluted 2 : 1 to 1 : 1 in water depending on the absorbency of the substrate.

An intermediate coat diluted with approx. 5 % *Histolith® Sol-Silikat Fixativ*.

One final coat diluted with approx. 5 % *Histolith® Sol-Silikat Fixativ*.

Alternative products for exterior or interior:

all *Histolith®* facade paints or interior paints can be used.

Consumption

■ approx. 400-500 g/m² per coat on a smooth substrate

These consumption figures are approximate values.

Deviations depending on the object or processing must be taken into account.

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Application Conditions	<p>During the application and curing phase, the ambient and substrate temperatures must not be substrate temperatures must not be below +8 °C and above +30 °C. Do not apply under direct sunlight, strong wind, fog or high humidity. Please refer to the leaflet "Rendering, thermal insulation, levelling, coating at high and low temperatures" from the the Bundesverband Ausbau und Fassade.</p> <p>In unfavourable weather conditions, suitable measures must be taken to protect the facade surfaces.</p>
Drying/Drying Time	<p>The waiting time for reworking depends on temperature, humidity, air movement, sunlight and application thickness. The information provided is therefore for guidance only.</p> <p>■ Surface dry and recoatable at 20 °C and 65 % relative humidity after approx. 12 h</p>
Tool Cleaning	<p>Rinse with water immediately after use in accordance with legal requirements.</p>
Note	<p>Depending on the condition of the substrate and weather-related influences, colour deviations and staining may occur. It is recommended to apply a test coating, also to check the substrate compatibility.</p>

Advice

Please Note (Status as at Date of Publication)	<p>Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Safety data sheet available on request.</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, regional, national and international authorities. Only completely emptied containers should be given for recycling.</p>
EU limit value for the VOC content	<p>of this product (category A/a): 30 g/l (2010). This product contains max. 10 g/l VOC.</p>
Product Code Paints and Enamels	<p>BSW10</p>
Substances of Content - Declaration	<p>alkali water glass, polyacrylic resin, polysiloxane, silicates, calcium carbonate, titanium dioxide, water, additives.</p>
Customer Service Centre	<p>Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see www.caparol.com</p>

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