

Histolith® Quarzgrund

Adhesion enhancing primer and silicate based intermediate & finishing coat according to VOB/C DIN 18 363, paragraph 2.4.1.; double silicifying



Product Description

Field of Application	For filling, texture equalising coats, suitable to close up shrinkage cracks on exterior and interior surfaces. Excellently suitable as adhesion enhancing primer on even substrates and on existing coats of matt dispersion/emulsion paint before applying subsequent coats of dispersion/emulsion silicate paint.
Product Properties	<ul style="list-style-type: none"> ■ Lightfast mineral pigmentation ■ High weather resistance ■ High rain protection, water-repellent w-value = 0.07 kg/m²∕h ■ Maximum water vapour permeability sd-value <0.01 m ■ Highly permeable to carbon dioxide ■ Contains quartziferous, silicifiable additives, hence double-silicifying ■ Mineral fibres (glass fibres) are added ■ Fire behaviour: Non-combustible according to German standard DIN 4102
Product Base / Vehicle	Potassium silicate, lightfast mineral pigments, mineral fillers, acrylic resin (< 5 %)
Packaging/Package Size	12.5 litres
Colours	White Deliverable ready tinted in many colours ex factory, on request. Histolith® Quarzgrund can be tinted with Histolith Volltonfarben SI and is tintable via the ColorExpress tinting & mixing machine system using inorganic colourants (colour pastes).
Gloss Level	Matt (dull matt)
Storage	Keep in a cool, but frost-free place. The product should only be stored in plastic buckets/containers.
Technical Data	<ul style="list-style-type: none"> ■ Density: Approx. 1.4 g/cm³

Application

Suitable Substrates	The substrate must be sound/stable, dry, clean, and free from all materials that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18363, paragraph 3.
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Exterior Substrates

New Renders/Plasters of Mortar Groups/Classes Plc (Hydraulic Lime Plaster), PII (Lime-Cement Mortars) and PIII (Cement Mortars):

New renders/plasters must be left untreated for a sufficiently long time, minimum 4 weeks for mortar group PI and minimum 2 weeks for mortar groups PII and PIII. Remove sintered layers with Histolith® Fluat.

Untreated Existing Renders/Plasters and Mineral Paints:

Clean the surface thoroughly and remove all layers of low adherence. Apply one priming coat of Histolith® Silikat-Fixativ, thinned in ratio of 2:1 to 1:1 with tap water depending on substrate absorbency.

Sound Existing Coats of Matt Dispersion/Emulsion Paint:

Clean the surface thoroughly and remove all layers of low adherence. Apply one priming coat of Histolith® Quarzgrund, thinned up to max. 10 % with Histolith® Silikat-Fixativ.

Render/Plaster Repairs:

Repair mortars should match the existing render/plaster in type and texture and must be allowed to set and harden thoroughly before being painted. Treat all repairs with Histolith® Fluat and rinse with tap water.

Brickwork / Brick Masonry:

Only brickwork made of absorbent bricks is suitable. Hard-burned bricks and clinkers are unsuitable. Always check for compatibility and apply a trial coating. Carefully clean the surface. Touch up damaged mortar joints. Apply one priming coat of Histolith® Sol-Silikat-Fixativ, thinned in ratio of 2:1 to 1:1 with tap water depending on substrate absorbency. Apply one priming coat of Histolith® Quarzgrund.

Natural Stones:

Only absorbent natural stones are suitable substrates. Always check for compatibility and apply a trial coating. Clean the surface thoroughly and remove all layers of low adherence. Strengthen sanding natural stones with stone sealer Histolith® Steinfestiger.

Note: Natural stones with water-soluble substances of content may show efflorescence on the paint coat and visible stains may occur.

Surfaces with Fungal or Algal Attack:

Wash off the fungal (fungi/mildew/mould) or algal attack. Allow the surface to dry, then treat with Histolith® Algenentferner (algae remover) and allow to dry. Prior consultation with our technical assistance is needed to achieve the correct surface coating system.

Interior Substrates

New Renders/Plasters (Mortar Groups/Classes Plc, PII and PIII):

Leave to stand for 2-4 weeks. Remove sintered skin with Histolith® Fluat.

Gypsum Renders/Plasters in Mortar Group/Class PIV:

On sound, firm renders/plasters apply one priming coat of Histolith® Innengrund (interior primer). Strengthen soft gypsum renders/plasters with Histolith® Spezialgrundierung (special primer). Sand gypsum plasters with sintered skin, then remove sanding dust and apply one priming coat of Histolith® Spezialgrundierung. In each case: Allow to dry well, then apply an intermediate coat of Histolith® Innengrund.

Gypsum Plasterboards (Sandwich Type Plaster Boards):

Sand down filling burrs. Prime with Histolith® Innengrund. Strengthen soft filled gypsum patches with Histolith® Spezialgrundierung. Apply one priming coat of Histolith® Innengrund. For boards with water-soluble content that leaves marks, apply one priming coat of Caparol Aqua-Sperrgrund. In Germany: Follow BFS Data Sheet No. 12.

Gypsum Building Boards:

Apply one priming coat of Histolith® Innengrund.

Brickwork / Brick Masonry:

Carefully clean the surface. Touch up damaged mortar joints. Apply one priming coat of Caparol Aqua-Sperrgrund for bricks with water-soluble content that leaves marks.

Sound Existing Coats of Matt Dispersion/Emulsion Paint:

Clean the surface thoroughly. Apply one priming coat of Histolith® Quarzgrund, thinned up to max. 10 % with Histolith® Silikat-Fixativ.

Limewash Coatings:

Wash off (remove) thoroughly. Prime with Histolith® Spezialgrundierung.

Mildewed Surfaces:

Wash off the fungal (fungi/mildew/mould) attack. Apply Histolith® Algenentferner (algae remover) on the fully dry surface, then allow to dry again. Prior consultation with our technical assistance is needed to achieve the correct surface coating system.

Method of Application	Apply the product on listed (landmarked) buildings/monuments preferably by paint brush.
Surface Coating System	<p>Slightly and Evenly Absorbing Mineral Substrates: Apply one priming and one finishing coat, thinned up to max. 5 % with Histolith® Silikat-Fixativ.</p> <p>Highly and Irregularly Absorbent Substrates or Mineral Substrates when Sanding on the Surface: Apply one priming coat of Histolith® Silikat-Fixativ, thinned in ratio of 2:1 to 1:1 with tap (potable) water depending on substrate absorbency. Apply one intermediate coat of Histolith® Quarzgrund, thinned up to max. 5 % with Histolith® Silikat-Fixativ. Apply one finishing coat of Histolith® Quarzgrund, thinned up to max. 5% with Histolith® Silikat-Fixativ. Alternatively, one finishing coat of Histolith® Außenquarz can be applied or for interiors one finishing coat of Histolith® Bio-Innensilikat or Histolith® Raumquarz.</p>
Consumption	Approx. 200-250ml/m ² per coat on an even surface. On rough-textured surfaces correspondingly more. The exact rate of consumption is best established by a trial coating on site.
Application Conditions	<p>Lower Temperature Limit for Application and Drying: +8 °C for product, substrate and ambient air.</p>
Drying/Drying Time	At +20 °C and 65 % relative humidity surface-dry and recoatable after 12 hours. Rain resistant after approx. 24 hours. Lower temperatures and higher humidity extend the drying time.
Tool Cleaning	Clean tools/equipment immediately after use with water.
Note	<p>To avoid lapping, the product should be applied wet-on-wet and without interruption. Do not apply on horizontal or inclined surfaces exposed to rain or moisture. Do not apply on sun heated substrates, during high temperatures, strong wind, extremely high relative humidity, fog or rain, or imminent rain and frost. Night frost must be avoided. Protect the façade with suitable scaffolding-nets or tarpaulins, if necessary.</p> <p>Protective Measures: The areas adjoining the surface to be painted should be carefully masked, in particular glass, ceramics, enamel/varnish coatings, clinkers, natural stone, metals and wood.</p>

Advice

Please Note (Status as at Date of Publication)	<p>Keep out of the reach of children. Protect eyes and skin from paint splashes. In case of contact with eyes or skin, rinse immediately with plenty of water. When spraying: Do not breathe spray dust. Do not empty into drains, water courses or onto the ground. Carefully cover the surrounding area. Wash off splashes on enamels, glass, ceramics, metals and natural stones immediately.</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 removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely emptied containers should be given for recycling. Dispose buckets/containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.</p>
EU limit value for the VOC content	of this product (category A/a): 30 g/l (2010). This product contains max. 10 g/l VOC.
Product Code Paints and Enamels	M-SK01
Further Details	See Safety Data Sheet (MSDS).
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 www.caparol.com</p>

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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. 1004 · Histolith® Quarzgrund · Issued: May 2010

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