

Histolith® Raumquarz

Sol-silicate paint for highly stressed interior surfaces, wet scrub resistance class 1.



Product Description

Field of Application	For highly stressed interior coats of mineral paint, suitable for listed buildings (under historic preservation protection) and also in the residential sector, schools, nursery schools and other public buildings. The added lithium waterglass and inorganic pigmentation provides particularly brilliant colours.
Product Properties	<ul style="list-style-type: none"> ■ Wet scrub resistance class 1, high abrasion-resistant. ■ Resistant to aqueous disinfectants and household detergents. ■ Maximum water vapour permeability s_d-value < 0.01 m ■ Highly permeable to carbon dioxide. ■ Solvent-free. ■ Fire behaviour: Non-combustible according to German standard DIN 4102. ■ Meets the requirements of VOB DIN 18363 for dispersion/emulsion-silicate paints.
Product Base / Vehicle	Binder combination of high-quality alkali waterglasses and silica sol plus mineral pigments and fillers, rate of organic ingredients < 5 %.
Packaging/Package Size	12.5 litres
Colours	White Deliverable ready tinted in many colours ex factory, on request. Histolith® Raumquarz can be tinted with Histolith® Volltonfarben SI. If more than one bucket is manually tinted, all product must be thoroughly mixed before use in order to avoid colour differences. Always use tinted paint of the same batch, when applying on seamless surfaces.
Gloss Level	Dull matt (Dead-matt according to DIN EN 13300)
Storage	Keep in a cool, but frost-free place. Shelf life: Approx. 12 months. The product should only be stored in plastic buckets/containers.
Technical Data	<p>Characteristics according to DIN EN 13 300: Tinting may cause variations.</p> <ul style="list-style-type: none"> ■ Wet scrub resistance: Class 1 ■ Contrast ratio: Opacity (hiding/covering power) class 1, with a spreading rate of 7 m²/l or 140 ml/m² per coat ■ Maximum particle (grit) size: Fine ■ 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.
Substrate Preparation	<p>New Renders/Plasters (Mortar Groups/Classes Plc, PII and PIII): Leave to stand for 2-4 weeks. Remove sintered skin with Histolith® Fluat.</p> <p>Existing Unpainted Renders/Plasters PI, PII, PIII and Coats of Mineral Paint: Carefully clean the surface. 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 (potable) water depending on substrate absorbency.</p> <p>Sound Existing Coats of Matt Dispersion/Emulsion Paint: Clean the surface thoroughly. Apply one priming coat of Histolith® Innengrund or Histolith® Quarzgrund.</p> <p>Gypsum Renders/Plasters in Mortar Group/Class PIV: On stable, solid renders/plasters apply one priming coat of Histolith® Innengrund (interior primer). Strengthen soft gypsum plasters with special primer Histolith® Spezialgrundierung. 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.</p> <p>Gypsum Plasterboards (Plasterboard Panels/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.</p> <p>Gypsum Wallboards: Apply one priming coat of Histolith® Innengrund.</p> <p>Concrete: Remove any existing parting agent residues and apply one priming coat of Histolith® Innengrund.</p> <p>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.</p> <p>Coats of Glue-Bound Distemper (Limewater Colour): Wash off (remove) thoroughly. Apply one priming coat of Histolith® Spezialgrundierung.</p> <p>Unpainted Woodchip/Ingrain Wallpapers: Coat without pre-treatment. With relief and embossed wallpapers try a test coating first.</p> <p>Glass Fabrics Wall Coverings: Apply one priming coat of Histolith® Innengrund.</p> <p>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. Treat the substrates in compliance with all current legal/local regulations (follow e.g. Ordinance on Biological Agents and Ordinance on Hazardous Substances).</p>
Method of Application	The product can be applied by paint brush, roller or airless equipment. Apply the product on listed (landmarked) buildings/monuments preferably by paint brush.
Surface Coating System	Apply one saturated even coat, thinned up to max. 5 % with tap (potable) water. On high-contrast surfaces: Apply one prior priming coat of Histolith® Raumquarz, thinned 5 % with tap (potable) water. On strongly or unevenly absorbent substrates: Apply one prior priming coat of Histolith® Innengrund.
Consumption	Approx. 140 ml/m ² per coat on an even substrate. On rough-textured surfaces correspondingly more. The exact rate of consumption is best established by a trial coating on site.
Application Conditions	Lower Temperature Limit for Application and Drying: +8 °C for product, substrate and ambient air.
Drying/Drying Time	At +20 °C and 65 % relative humidity surface-dry and recoatable after 4-6 hours. Stressable after 3 days. Lower temperatures and higher humidity extend the drying time.

Note	<p>Histolith® Raumquarz is resistant to disinfectants. Due to the open-pored surface, consumption of disinfectants will be higher by comparison with compact surface coatings, e.g. semi-glossy or glossy latex paints.</p> <p>To avoid lapping, the product should be applied wet-on-wet and without interruption. Stir up thoroughly and sieve the paint for airless spray application.</p> <p>Touching up surfaces is depending on many parameters and may be visible after drying. (In Germany: See BFS Data Sheet No. 25) Colour deviations may occur on gypsum fillers. This risk can be minimized by applying one intermediate full-surface coat of Histolith® Innengrund.</p>
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Advice

Please Note (Status as at Date of Publication)

Keep out of reach from children. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. 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. 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. Further information: See Material Safety Data Sheet (MSDS).

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 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/a): 30 g/l (2010). This product contains < 1 g/l VOC.

Product Code Paints and Enamels

M-SK01

Substances of Content - Declaration

Soluble glass (sodium silicate), hybrid binder (organosilicate/acrylate), titanium dioxide, silicates, 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

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International Distribution: Please see www.caparol.com

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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. 1008 · Histolith® Raumquarz · Issued: May 2012

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