

Histolith® Kalk-Kaseinfarbe

High-grade lime casein paint, based on natural ingredients.
For interior use.



Product Description

Field of Application	For coats of lime paint, particularly in the field of build heritage conservation (listed buildings/monuments), but also for eco-friendly use in the field of living quarters / sustainable buildings. Outstandingly suitable for coating limey plasters and for the renovation of existing absorbent, mineral paint coats.
Product Properties	<ul style="list-style-type: none"> ■ Without synthetic resin binders ■ Preservative-free ■ Solvent-free ■ Titanium dioxide free ■ Highly water vapour permeable, sd-value = 0.01 m ■ Absorbent and sorption-capable
Product Base / Vehicle	White lime, casein, mineral pigments and fillers
Packaging/Package Size	12.5 litres
Colours	White Available in pastel colour shades ex factory, on request. For finishing coat on continuous surfaces use only products of the same batch or mix different batches very thoroughly. Also tintable by the customer using Calcino-Color or lime resistant colourants and dry pigments (always check for compatibility by a trial coat).
Gloss Level	Matt (dull matt)
Storage	Keep in a cool, but frost-free place.
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, absorbent, and free from all materials that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18363, paragraph 3.
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Substrate Preparation	<p>New Renders/Plasters of Mortar Groups/Classes PI (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. Histolith® Kalk-Kaseinfarbe is also applicable in fresco technique, approx. 24 hours after having applied the render/plaster coat. Colour deviations and stains may appear, when tinted products are used for application in fresco technique.</p> <p>Unpainted Existing Renders/Plasters and Coats of Mineral Paint: Clean the surface thoroughly and remove all layers of low adherence.</p> <p>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.</p> <p>Loam Rendering / Clay Plaster: Clean the surface thoroughly and prime with Histolith® Silikat-Fixativ. Check for brown discolouration by a trial application.</p> <p>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.</p> <p>Note: Natural stones with water-soluble substances of content may show efflorescence on the paint coat and visible stains may occur.</p> <p>Surfaces with Fungal and 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.</p>
Method of Application	Apply the product on listed (landmarked) buildings/monuments preferably by paint brush.
Surface Coating System	<p>Prepare the substrate thoroughly, then apply one priming and one finishing coat of Histolith® Kalk-Kaseinfarbe, thinned up to max. 10 % with tap water, according to the substrate absorbency.</p> <p>Beforehand prime highly or unevenly absorbent mineral substrates with Histolith® Silikat-Fixativ, thinned in the ratio of 2:1 to 1:1 with tap (potable) water, according to the substrate absorbency.</p>
Consumption	Approx. 300-400 ml/m ² for two coats 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 after 4-6 hours and recoatable after 24 hours. Lower temperatures and higher humidity extend the drying time.
Tool Cleaning	Clean tools/equipment immediately after use with water.
Note	<p>Noticeable colour deviations and stains may occur, depending on the substrate condition. A trial coat on site is advisable in order to check for compatibility with the substrate. To avoid lapping, the material should be applied wet-on-wet and without interruption.</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

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Irritating to eyes. Risk of serious damage to eyes. Do not breathe vapour/spray dust (aerosol). Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.
Advice for suitable gloves: Protective gloves made of nitrile, e.g. KCL Tricotril, article number 737 (<http://www.kcl.de>) or similar products.

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.

EU limit value for the VOC content

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

Substances of Content - Declaration

White lime hydrate, casein, powdered limestone, zinc sulphide, water, auxiliary supplies

Further Details

See Material 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

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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. 1049 · Histolith® Kalk-Kaseinfarbe · Issued: December 2011

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