

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. Eminently suitable for coating limy plasters and for the renovation of existing coats of absorbent, mineral paint.

Material Properties

- Without synthetic resin binders.
- Preservative-free.
- Solvent-free.
- Titanium dioxide free.
- Highly water vapour permeable, s_d -value = 0.01 m
- Absorbent and sorption-capable.

Material 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. Always use product of same batch for finishing coat on seamless surfaces 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 trial).

Gloss Level

Matt (dull matt)

Storage

Keep in a cool, but frost-free place.

Technical Data

- Density: Approx. 1.4 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	○	-	-	-
(-) inapplicable / (○) of limited suitability / (+) suitable				



Application

Suitable Substrates	The substrate must be solid, sound/stable, dry, clean, absorbent, and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18 363, section 3.
Substrate Preparation	<p>New Plasters in Mortar Groups/Classes PI (Lime Plasters), PII (Lime-Cement Mortars) and PIII (Cement Mortars): New plasters must be left untreated for a sufficiently long holding time, minimum 4 weeks for mortar group PI and minimum 2 weeks for mortar groups PII and PIII. Remove sintered skin with Histolith® Fluat. Optionally Histolith® Kalk-Kaseinfarbe is also applicable in fresco technique, approx. 24 hours after having applied the plaster coat. Colour differences and stains may appear, when tinted products are applied in fresco technique.</p> <p>Unpainted Existing Plasters and Coats of Mineral Paint: Carefully clean the surface and remove all layers/coatings of low adherence.</p> <p>Plaster Repairs: Repair mortars should match the existing 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 clean water.</p> <p>Loam Rendering / Clay Plaster: Clean the surface thoroughly and prime with Histolith® Silikat-Fixativ. Check for brownish discolouration by a trial coating.</p> <p>Natural Stones: Only absorbent natural stones are suitable substrates. Always check for compatibility and apply a trial coating. Carefully clean the surface 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>Mildewed/Mouldy Surfaces: Wash off the fungal (fungi/mildew/mould) attack. Allow the surface to dry, then use Histolith® Algenentferner (algae remover) and allow to dry. Prior consultation with our technical assistance is needed to obtain 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, diluted to a max. of 10 % with tap (potable) water, depending on the substrate's absorbency.</p> <p>Beforehand prime highly or unevenly absorbent mineral substrates with Histolith® Silikat-Fixativ, diluted 2:1 to 1:1 with tap (potable) water, depending on the substrate's absorbency.</p> <p>For coating large, seamless surfaces it is advisable to pre-wet the applied priming coat with clean water and to apply the finishing coat to the matt (flat) moist surface.</p>
Consumption	Approx. 300 - 400 ml/m ² for two coats on smooth substrates. On roughly textured surfaces correspondingly more. Determine the exact amount of material required by coating a test area 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 substrate condition. A trial coating 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>Do not apply in moist rooms (damp locations).</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)

Reserved for industrial and professional use.

Causes serious eye damage. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Contains hydrated lime (Calcium hydroxide)

Disposal

Advice for suitable gloves: Protective gloves made of nitrile, e.g. KCL Tricotril, article number 737 (<http://www.kcl.de>) or similar products.

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 empty containers should be handed in 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.

Substances of Content - Declaration

White lime hydrate, casein, powdered limestone, mineral pigments, water, additives.

Further Details

See Material Safety Data Sheet (MSDS).

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: November 2018