

KEIM Romanit® Lime Paint and Wash

Historic ready-to-use Lime Paint.



1. Product description

KEIM Romanit is a ready-to-use Lime paint system for both interior and exterior surfaces. Manufactured to DIN 55945 and made with pit lime that has matured for at least 3 years. KEIM Romanit uses only pure inorganic mineral fillers, and absolutely lightfast inorganic mineral pigments.

2. Field of application

Romanit Lime Paint can be used interior and exterior. Applied as paint or as a wash. Surfaces suitable for lime systems must be, absorbent mineral surfaces like lime plasters/renders/stuccos, lime cement plasters/renders/stuccos, old mineral coatings and absorbent natural stones or masonry. Substrates must be sufficiently absorbent, non-water-repellent or contain any oil or oil based residues.

Due to its outstanding product characteristics, Romanit is particularly suitable for old historic and new surfaces. Ideal absorbent surfaces include but are not limited to, brick, stucco, historic masonry, stone, lime plasters, mortars, CMU, mineral boards and renders.

Exceptions not suitable for coating with Romanit are resin based coatings, plasto-elastomeric coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes).

Romanit will wear faster on horizontal and slightly inclined surfaces exposed to weathering and is not suitable for floor surfaces.

3. Product properties

Romanit is formulated to be ready-to-use, tension-free and non-yellowing lime paint. Romanit has excellent hiding power and contains only

absolutely lightfast inorganic pigments. Romanit will help protect substrates from environmental influences.

- Reversible
- Highly water vapor permeable
- Lightfast - will not fade
- Resists mold and fungal growth
- Non-yellowing
- Easy to overcoat
- Non-flammable
- Non-film-forming
- Mineral matt finish
- Tension-free
- Slightly water repellent
- No solvents
- Easy application

Material characteristics

- Specific weight: approx. 1.44 g/cm³
- VOCs (white or tinted) ASTM D6886: < 1g/l
- Color fastness: A1
(FB-Code according to technical bulletin No. 26)
- Vapor diffusion equivalent DIN EN ISO 7783-2
air layer thickness: $s_d < 0.02$ m
- Vapor permeability 75 - 85 perms
- Thermal Expansion: comparable to the mineral substrate to which it is applied.
- Flash point: non-flammable will not burn

Color Shades

Standard colors according to the KEIM Palette Exclusiv. Except 9122, 9123, 9162, 9166, 9182, 9200, 9402, 9482 & 9541.

KEIM also offers custom matching to your color selection within our natural mineral range.

On-site tinting: Factory tinting is most common but field tinting can be done using only the KEIM Romanit full color shades R10, R20, R30, R40, R50, R60, R70, R80 & R90.



Color shade can vary due to absorbency of the substrate as well as the climatic conditions during application and drying.

4. Application instructions

Substrate Preparation:

The substrate must be sound, solid, dry, absorbent, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding. Old oil based coatings, loose substrate layers and organically bound coats must be removed. Repair damaged areas before painting.

New stucco, render, plaster, mortar or masonry surfaces require treatment after they are fully cured with KEIM Lime Remover to etch and remove sinter layers before painting.

For repaired substrates and also on substrates with textural differences or hairline cracks you must first coat with Romanit mixed in a ratio of 2:1 with KEIM Romanit-Slurry-Additive as the base coat. (2 parts Romanit to 1 part Romanit-Slurry-Additive) This is best applied by brush; it will equalize the surface and fill the hairline cracks.

Soft, porous highly absorbent surfaces, old existing mineral coats, or sanding and dusting surfaces may be stabilized with a pre-treatment of KEIM Fixativ, diluted in a ratio of 1:3 with clean water.

Surface contaminants should be entirely removed by suitable mechanical and/or chemical means. Old, coatings which may hinder the vapor diffusion or bonding and/or which are not well adhering must be removed with KEIM Bio Stripper (paint stripper) or by mechanical means.

Application

Romanit is typically a 2 - 3 coat system applied by brush, roller or airless spraying (nozzle size 0.79

mm/0.031 in.). Depending on the look that is desired and the dilution ratio additional coats may be required. Application by brush or roller for base coat can be advantageous to ensure full coverage working it well into all surfaces. For best results thin or dilute the Romanit with KEIM Sinter Water (lime water). Clean water may also be used. A drying time of 12 hours between coats is recommended.

Typical Two-coat-system:

Base coat: Romanit diluted 20% (25.6 oz/gallon) with Sinter Water or Romanit with Slurry-Additive.

Finish/Top coat: Romanit undiluted.

Three-coat-system:

Base coat: Romanit diluted 20% (25.6 oz/gallon) with Sinter Water or Romanit with Slurry-Additive.

Intermediate coat: Romanit diluted 10% (13 oz/gallon) with Sinter Water.

Finish/Top coat: Romanit undiluted.

Stir diluted Romanit before and during application to maintain equal application of pigments. For the finish coat it is important to work swiftly wet-in-wet maintaining a wet edge. Work corner to corner or use an architectural feature as a starting and stopping point.

Application conditions

From 41°F up to max. 86°F (+5°C - 30°C) air and substrate temperature.

Only apply in dry weather conditions. Do not apply under direct sun or on sun-heated substrates or in strong wind. After application, surfaces must be protected from strong wind and direct sun until dry (3-6 hours) and from rain until they are cured (36-48 hours). Times depend on temperature and humidity.



Drying times

Dry to touch in 1-4 hours.

For recoating, at least 12 hours between coats.

For the finish coat, allow 36-48 hours.

Consumption

The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting test areas on the structure to be coated using tools and techniques that will be used for the final application.

KEIM Romanit

275 - 325 sq.ft./gallon

Tools

Clean immediately after use with water.

Mixing with other products

In order to maintain the specific features of KEIM Romanit and the related system products, they may not be mixed with other products or additives.

5. Packaging

1 gallon
and

4 gallon (packaged in a 5 gal pail)

6. Storage

Shelf life approx. 12 months, if kept cool, but frost-free in tightly closed unopened containers.

Note: Remnants of material from opened containers should be filled in smaller buckets in order to maintain the air content in the bucket at the lowest possible level.

7. Hazardous substances ordinance class

n/a

8. Transport hazard class

n/a

9. Disposal

EC Waste code No. 08 01 112

Dispose of completely emptied containers in accordance with local, state and federal regulations.

10. Safety instructions

Romanit is alkaline. Cover all areas which are not to be coated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Do not swallow. Keep out of reach of children.

Refer to the relevant safety data sheets.

This product is only intended for the sale to and the application by professional applicators. The application instructions as well as the labeling are to be adhered to. The recommendation values and characteristics stated are the result of intensive development work and practical experience. Our verbal and/or written recommendations regarding the use and application of our products are to assist in the choice of our products and are not the basis of a contractual and/or legal relationship. They do not release the purchaser and/or applicator from the obligation to verify the suitability of our products for the intended application with due diligence. The prevailing general rules of building technology are to be respected. KEIM has adopted a policy of constant product development. Modifications serving the improvement of the product or its application are reserved. This edition supersedes all earlier editions.

