



## TECHNICAL DATA SHEET

# KEIM ROMANIT-MONOCHROM

## 1. PRODUCT DESCRIPTION

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KEIM Romanit-Monochrom is a ready-to-use lime paint according to DIN 55945 for exterior and interior use, based on at least 3 years matured pit lime with addition of dispersion binder.

## 2. FIELD OF APPLICATION

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KEIM Romanit-Monochrom can be used outdoors on lime plasters, lime-cement plasters, absorbent natural stones and mineral old coatings. The substrates mentioned must be suitable for coating with lime paints (e.g. sufficiently absorbent, not water-repellent). KEIM Romanit-Monochrom is particularly suitable for use in alternative housing. KEIM Romanit full tone paints are also suitable as tinting paints in the system with KEIM Romanit-Monochrom paints.

Not suitable for:

oil containing substrates; horizontal and inclined surfaces exposed to weathering

## 3. PRODUCT PROPERTIES

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- reversible
- non-yellowing
- low stress
- QNG-konform
- slightly water-repellent equipped
- highly permeable
- fire behaviour: non-flammable

### MATERIAL CHARACTERISTICS:

- Density: approx. 1.2 - 1.5 g/cm<sup>3</sup>
- Organic content: < 5 %

### CLASSIFICATION:

- Classification according to: DIN 55945
- Diffusion-equivalent air layer thickness (sd-value): < 0,02 m
- Diffusion-equivalent air layer thickness class: V1
- Standard Diffusion equivalent air layer thickness: DIN EN ISO 7783

### COLOUR SHADES:

full tones colours R10 - R90 available.

- R 10: nickel yellow
- R 20: oxide yellow
- R 30: oxide orange
- R 40: oxide red
- R 50: umber green
- R 60: cobalt green
- R 70: turquoise
- R 80: blue

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R 90: oxide black

### 4. APPLICATION INSTRUCTIONS

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#### SUBSTRATE PREPARATION:

The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings must be removed mechanically or by high-pressure water jetting. Defective areas must be filled and texture-matched using a suitable repair material. Any sintered layers on new renders must be removed with KEIM Fluat-10 according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Fluat-10 according to the specifications in the Technical Data Sheet. For highly absorbent and/or sanding substrates, pre-treatment with KEIM Fixativ, diluted 1:3 with fresh water is recommended. Repaired substrates, mixed substrates and/or substrates with hairline cracks or structural differences should be pre-painted with KEIM Romanit-Color paint, mixed 2:1 with KEIM Romanit-Schlämmzusatz (filling additive). Sand-lime brickwork must be tested for penetration by iron oxides by trial laying. If necessary, slightly moisten the substrate before applying the primer coat.

#### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 10$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

#### PREPARATION OF MATERIAL:

Stir up KEIM Romanit-Monochrom thoroughly before application.

#### CONSUMPTION:

approx. 0,35 kg/m<sup>2</sup> for two coatings.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

#### APPLICATION:

KEIM Romanit-Monochrom can be painted, rolled or airless sprayed (nozzle:  $\geq 425$  ).

Primer coat: The primer and intermediate coat can be diluted with water, as needed.

Final coat: Apply KEIM Romanit-Monochrom undiluted.

Note: Always work wet-on-wet to avoid buildup. Two coats of paint are usually sufficient on homogeneous substrates. Three coats may be necessary, especially on repaired and/or mixed substrates. To avoid lime sinter layers, apply KEIM Romanit-Monochrom thinly and spread well.

#### DRYING TIME:

Can be overcoated after 24 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

There is a risk of staining caused by surface sintering at low temperatures and higher humidity values.

#### CLEANING OF TOOLS:

Clean immediately with water.

### 5. PACKAGING

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Container content	Unit of measure	Type of container
1	kg	can
5	kg	bucket
20	kg	bucket

## 6. STORAGE

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max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

## 7. DISPOSAL

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For disposal information refer to section 13 of the safety data sheet.

Waste code: 08 01 11 \*

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet. EU limit value for this product (Cat. A/a): 30 g/l; (Cat. A/c): 40 g/l.  
This product contains: 0 - 15 g/L VOC.

GISCODE: BSW 60

## 9. GENERAL INFORMATION

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Depending on the substrate, temperature and humidity, slightly polished lime sinter layers may form in isolated cases. Likewise, slight cloud formations and colour shade fluctuations are characteristic of lime paints.

Depending on the condition of the substrate and the location of the property, weather exposure and the pollutant content of the air, lime paints may weather prematurely. This is inherent in the nature of lime as a material and is not a product defect.

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.



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