



1. Product description

KEIM Quarzil-Historisch is a high quality, ready-to-use, silicate based interior coating according to VOC/C DIN 18 363 2.4.1 (silicate emulsion paint) with a special color powder combination, abrasion resistant following DIN 53 778. (KEIM Quarzil-Historisch must be sieved for airless spraying application - only on request!)

2. Field of application

KEIM Quarzil-Historisch is used on mineral substrates such as mineral renders, concrete, sandstone or calcareous sandstone. Not suitable for non-absorbent, oil- or gypsum-containing substrates. Due to its unique color powder combination, KEIM Quarzil-Historisch is especially suitable for historic interior rooms in buildings such as churches, monasteries, castles and as a painting base for interior murals. In combination with the coordinated product components of the Quarzil-System, most diverse use cases are possible.

3. Product properties

KEIM Quarzil-Historisch is a high quality interior coating, specifically formulated for historic interior rooms. KEIM Quarzil-Historisch has outstanding hiding power with mineral matte surface brilliance. It is free from yellowing and contains absolutely lightfast, inorganic color pigments. Because of its excellent water vapor permeability, it prevents condensation water on the surface. The walls are protected from soiling and micro organisms.

- Non-film forming
- Mineral matte with a classical lime lustre appearance
- Specific light reflection

- Non-flammable
- Absolutely lightfast
- Abrasion resistant
- Highly vapor permeable for dry walls and healthy room climates (83 perms)
- No condensation water for low soiling tendency
- Hinders mold growth
- Environmentally friendly – no added solvents or pot preservatives
- Easy building maintenance

Material characteristics

- Specific weight: approx. 1.60 g/cm³
- Vapor diffusion resistance: $s_d < 0.01$ m (83 perms: ASTM E 96, "Test Methods for Water Vapor Transmission of Materials")

Color shades

White and KEIM Palette Exclusiv. Not available in full colors. For colored coatings use only material from the same batch. Tinting only with the KEIM color concentrates.

4. Application instructions

Substrate preparation

The substrate must be sound, dry, absorbent, clean, free of dust and grease. Remove any old, film forming coatings that hinder the vapor permeability or are not sound with KEIM Bio Stripper or mechanically.

Application

KEIM Quarzil-Historisch may be applied by brush or roller. For base coats it is recommended to use a brush.

Base coat: KEIM Quarzil-Historisch, diluted 20 – 40% with KEIM Fixativ (25 kg of paint plus 5 – 10 l dilution).

Top coat: Apply KEIM Quarzil-Historisch undiluted, maintaining a wet edge free of stains.

KEIM Quarzil-Historisch-Grob is used as base coat for matching textural differences, for equalizing different absorbencies, and/or for filling small hairline cracks.

A three-coat structure is recommended in case of strong differences in texture and/or many hairline cracks.

Base coat: KEIM Quarzil-Historisch-Grob, diluted 20 - 60% with KEIM Fixativ (25 kg of paint plus 5 - 15 l dilution).

Intermediate coat: KEIM Quarzil-Historisch or KEIM Quarzil-Historisch-Grob, diluted 20 - 40% with KEIM Fixativ (25 kg of paint plus 5 - 10 l dilution).

Top coat: Apply KEIM Quarzil-Historisch undiluted, maintaining a wet edge free of stains.

Or:

Base coat: KEIM Kristall-Felsit, diluted 10 - 20% with KEIM Fixativ (25 kg of paint plus 2.5 - 5 l dilution).

Intermediate coat: KEIM Quarzil-Historisch, approx. 20% diluted with KEIM Fixativ (25 kg of paint plus 5 l dilution).

Top coat: Apply KEIM Quarzil-Historisch undiluted, maintaining a wet edge free of stains.

Keim Spezial-Fixativ is recommended as dilution in case of difficult substrate or project conditions.

Application conditions

Ambient and substrate temperature > +5°C. Overcoat touched-up and filled areas only after the indicated setting time.

Drying times

A drying time of at least 12 hours must be allowed between coats.

Consumption

For two coats of KEIM Quarzil-Historisch on smooth substrates:

Approx. 0.4 kg/m² KEIM Quarzil-Historisch with approx. 0.05 l/m² KEIM Fixativ.

This consumption value is a guide value that varies depending on the substrate condition and application method. Exact values can only be determined by painting trial areas on the structure to be coated.

Cleaning of tools

Clean immediately after use with water. Keep tools in the paint or in water while having a break.

Third-party additives

In order to preserve the specific characteristics of the Quarzil-System, no other substances may be added.

5. Packaging

5 kg and 25 kg containers

6. Storage

Shelf life of material kept in tightly sealed containers is approx. 12 months in cool but frost-free conditions. Protect from heat and direct sunlight.



7. Hazardous substances ordinance class

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 61: Avoid release to the environment. Refer to special instructions/MSDS safety data sheets.

8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (such as glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Product code: M-SK 01

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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

