



TECHNICAL DATA SHEET

KEIM QUARZIL®-GROB

1. PRODUCT DESCRIPTION

KEIM Quarzil-Grob is a highly filled silicate-based priming paint according to VOB/C DIN 18363 Para. 2.4.1 (dispersion silicate paint) for priming and intermediate coats on difficult substrates in exclusive interiors. With the slightly slurring effect of KEIM Quarzil-Grob, small hairline cracks can be slurried and differences in structure can be evened out.

2. FIELD OF APPLICATION

KEIM Quarzil-Grob can be used on all mineral substrates such as mineral plasters, concrete, sandstone or sand-lime brick. KEIM Quarzil-Grob is used on substrates with hairline cracks and/or structural differences or different absorbencies. In combination with the precisely coordinated product components of the KEIM Quarzil system, a wide variety of applications are possible. Coarse material is not suitable for finishing coats.

3. PRODUCT PROPERTIES

- crack-bridging
- structure-equalising
- non-film forming
- mineral matt
- environmentally friendly
- highly permeable
- absolutely lightfast
- scrub-resistant
- anti-fungal and anti-algae thanks to natural alkalinity
- fire behaviour: non-flammable
- no solvents added

MATERIAL CHARACTERISTICS:

- Density: approx. 1.6 - 1.8 g/cm³

CLASSIFICATION:

- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): < 0,01 m

COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. Note: Filled paint material is not suitable for finish coats because the colours are lighter than original shades. Tint exclusively with KEIM colour concentrates.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease.

Old, film-forming coatings that hinder vapour diffusion or are not load-bearing should be removed with KEIM Dispersion Remover or with mechanical methods. Pre-treatment with KEIM-Spezial-Fixativ (special fixative) is necessary for gypsum or gypsum-containing substrates.

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APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be ≥ 5 °C.

PREPARATION OF MATERIAL:

Stir up KEIM Quarzil-Grob thoroughly before application.

APPLICATION:

KEIM Quarzil-Grob can be painted, rolled or airless sprayed (nozzle ≥ 443).
Application with a brush increases the slurry effect.

Primer coat: Apply KEIM Quarzil-Grob undiluted or diluted with max. 20 % of Spezial-Fixativ or KEIM Fixativ.

Final coat: Apply with undiluted KEIM Quarzil.

A three-coat application is recommended in case of strong structural differences and/or many hairline cracks:

Primer coat: KEIM Quarzil-Grob diluted with max. 20 % with KEIM Spezial-Fixativ or KEIM Fixativ.

Intermediate coat: KEIM Quarzil-Grob or KEIM Quarzil diluted with max. 20 % with KEIM Spezial-Fixativ or KEIM Fixativ.

Final coat: Apply with undiluted KEIM Quarzil.

DRYING TIME:

Can be overcoated after 12 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

CONSUMPTION:

approx. 0,2 kg/m² for a single coating.

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

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	24	bucket
5	kg	70	bucket
2.5	kg	80	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free protected from heat and direct sun. keep container tightly sealed.

7. DISPOSAL

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

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EC WASTE CODE:

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE:

GIS code: BSW 10

9. GENERAL INFORMATION

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.

10. CERTIFICATES & QUALITY SEALS



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.