



TECHNICAL DATA SHEET

KEIM KRISTALL-FELSIT®-FEIN

1. PRODUCT DESCRIPTION

KEIM Kristall-Felsit-Fein is a fine silicate slurry additive (< 0.25 mm max. grain size) for priming and intermediate coats in the KEIM Purkristalat and KEIM Unikristalat systems. KEIM Kristall-Felsit-Fein contains valuable silicates of various grain shapes in a balanced combination. KEIM Kristall-Felsit-Fein is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

2. FIELD OF APPLICATION

KEIM Kristall-Felsit-Fein is added as a slurry additive to the absorbed KEIM Purkristalat paint or to KEIM Unikristalat/Unikristalat-arte in order to adjust priming and intermediate coats in a crack-filling and/or structure-levelling manner. KEIM Kristall-Felsit-Fein can be used as a slurry additive in the KEIM Purkristalat system on all substrates suitable for KEIM Purkristalat. It is possible to use KEIM Kristall-Felsit-Fein as a slurry primer for subsequent coatings with KEIM Purkristalat, KEIM Unikristalat and KEIM Unikristalat-arte. KEIM Kristall-Felsit-Fein can also be used indoors as a slurry primer for subsequent intermediate or finishing coats of KEIM Quarzil. To vary the filling effect and surface structure, KEIM Kristall-Felsit-Fein can be mixed with the coarser KEIM crystal felsite in any proportions.

3. PRODUCT PROPERTIES

- structure-equalising
- silicifies insolubly with the substrate
- non-film forming
- odourless
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- highly permeable
- absolutely UV-resistant
- fire behaviour: non-flammable

MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.8 g/cm³
- pH value: approx. 11

COLOUR SHADES:

white

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. Old, film-forming coatings have to be completely removed with KEIM Dispersionse Entferner (paint stripper). New render areas must be pretreated with KEIM Fluat-10 as specified in the Technical Data Sheet to remove sinter layers. A pretreatment with KEIM Fixativ is recommended for highly absorbent or sanding substrates. Please, refer to the Technical Data Sheet regarding application. Algae, fungi or lichens must be removed professionally, thoroughly and without residues. After cleaning and drying of the surface, KEIM Algicid-Plus is used for disinfection. After a reaction time of at least 24 hours, the treated disinfected surface can be refinished.

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PREPARATION OF MATERIAL:

Stir up KEIM Kristall-Felsit-Fein thoroughly before application.

CONSUMPTION:

Use KEIM Kristall-Felsit-Fein
as primer coat approx. 0.5 kg/m²

On a smooth substrate per slurry coat:

with 50% addition: approx. 0.1 kg/m² KEIM Kristall-Felsit-Fein

with 100% addition: approx. 0.2 kg/m² KEIM Kristall-Felsit-Fein

(as a primer coat in the KEIM Quarzil-System approx. 0.5 kg KEIM Kristall-Felsit-Fein)

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

APPLICATION:

For maximum slurry effect on critical unevenly absorbent substrates:

Primer coat: KEIM Kristall-Felsit-Fein Mixing ratio 25 kg KEIM Kristall-Felsit-Fein 4 litres KEIM Fixativ.

Intermediate coat: KEIM Purkristalat diluted with 2 litres KEIM Fixativ. KEIM Unikristalat / KEIM Unikristalat-arte depending on the absorbency of the substrate with up to max. 20% diluted with KEIM Fixativ

Final coat: KEIM Purkristalat undiluted. KEIM Unikristalat/Unikristalat-arte diluted with 10% up to max. 20% with KEIM Fixativ.

Slurry priming and intermediate coats with addition of KEIM Kristall-Felsit-Fein:

Slurry priming and intermediate coats in the KEIM Purkristalat system with the addition of KEIM Kristall-Felsit-Fein are to be applied wet-on-wet with a brush, without any build-up. Slurry priming and intermediate coats in the KEIM Unikristalat system with the addition of KEIM Kristall-Felsit-Fein can be applied with a roller or brush. Application with a brush leads to an improved slurry effect. Mixing of slurry coats in the Purkristalat system: Pump 5 kg KEIM Purkristalat colour powder into 4 l KEIM Fixativ and mix until homogeneous. This mixture yields approx. 10 kg of ready-to-apply paint for the final coat. Soaking one day beforehand results in better homogeneity and higher yield (lower consumption!). For priming and intermediate coats, the soaked paint is diluted with KEIM Fixativ according to the instructions and the slurry additive KEIM Kristall-Felsit-Fein is mixed in.

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

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

6. STORAGE

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

7. DISPOSAL

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

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet. EU limit value for this product (Cat. A/c): 40 g/l.
This product contains: 0 - 1 g/l VOC.

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.