



TECHNICAL DATA SHEET

KEIM DEKORFARBPULVER

1. PRODUCT DESCRIPTION

KEIM Dekorfarbpulver are two-component silicate paints according to VOB/C DIN 18363 para. 2.4.1, for decorative painting of highest durability and colour brilliance in interior and exterior areas. KEIM Dekorfarbpulver consist of a fine colour powder component and a liquid water glass component (fixative) as binder. KEIM Decorative colour powder Pure mineral colour powder with absolutely lightfast, inorganic colour pigments and selected reactive mineral fillers. KEIM Fixativ Pure silicate binder for KEIM Dekorfarbpulver (5 kg colour powder and 4 l fixative result in approx. 10 kg of absorbed colour). Mixed with water in a ratio of 1:1 for further dilution of the absorbed decorative paint for glazing. For pre-fixing highly absorbent or sanding substrates and for post-fixing insufficiently bonded silicate coatings (in each case diluted with water, e.g. in a ratio of 1:1).

2. FIELD OF APPLICATION

KEIM Dekorfarbpulver can basically be used on all load-bearing, mineral substrates, especially on lime and lime-cement plasters, mineral finishing plasters, exposed concrete, natural stones and mineral-based artificial stones. On new plaster substrates, the top plaster layer must have a minimum layer thickness of 5 mm.

Not suitable for:
horizontal and inclined surfaces exposed to weathering

KEIM Dekorfarbpulver offer a wide range of design possibilities and processing techniques and are particularly suitable for designs with high demands on durability and luminosity due to their colour brilliance and high durability.

3. PRODUCT PROPERTIES

- ideal for application with KEIM B-technique
- mineral matt
- straight light reflexion
- silicifies insolubly with the substrate
- permeable
- absolutely UV-resistant
- absolutely lightfast
- inswellable
- inorganic pigments

MATERIAL CHARACTERISTICS:

- Density: approx. 1.1 - 1.2 g/cm³
- Colour fastness (Fb-code pursuant to BFS Leaflet No. 26): A1

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CLASSIFICATION:

- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): $\leq 0,01$ m
- Diffusion-equivalent air layer thickness class: V1
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 7783

COLOUR SHADES:

Available in 26 different shades.

4. APPLICATION INSTRUCTIONS

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 Ätzflüssigkeit (lime remover) according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover) according to the specifications in the Technical Data Sheet.

A primer coat in white with KEIM Purkristalat with addition of KEIM Kristall-Felsit (according to factory instructions) is recommended to level the substrate and to increase the colour brilliance.

APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 5 °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.

APPLICATION:

When painting with KEIM Dekorfarbpulver, each coloured surface is applied twice. The paints should be applied as thinly as possible.

Soaking: Soak 5 kg KEIM Dekorfarbpulver to 4 l KEIM Fixativ and mix until homogeneous. This mixture yields approx. 10 kg of ready-to-apply paint for the final coat. Mixing in one day beforehand improves homogeneity and yield.

Covering paintings: For the first coat, the soaked paint is thinned with KEIM Fixativ approx. 20% to 60%, depending on the absorbency of the substrate. The second coat is applied undiluted.

Glazing paintings: Thin the soaked KEIM Dekorfarbpulver with a mixture of KEIM Fixativ and water in a ratio of 1:1, according to the desired glazing effect. After completion of the painting, carefully check for smear resistance. In the event of light chalking, the surface must be re-fixed with a mixture of KEIM Fixativ and water in a ratio of 1:1. After approx. 3 minutes, dab off any fixing mixture that has not been absorbed with a sponge.

DRYING TIME:

A drying time of at least 12 hours must be observed between the individual coats and/or between the coats and the fixings.

CONSUMPTION:

approx. 0,35 kg/m² for a single coating.

approx. 0,02 kg/m² for a glazed coat of paint

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.

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5. PACKAGING

Container content	Unit of measure	Type of container
500	g	bag
250	g	bag
5	kg	bag

6. STORAGE

max. storage time
unlimited storage time

7. DISPOSAL

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

EC WASTE CODE:

Waste code: 08 01 11 *

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

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.



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