

KEIM Dekorfarben (KEIM B-Technique) Decor paints for decorative paintings indoors and outdoors



1. Product description

KEIM Dekorfarben (decor paints) are two-component silicate paints acc. to VOB/C DIN 18 363 sect. 2.4.1 for decorative paintings offering highest durability and colour brilliance. KEIM Dekorfarben consist of a fine pigment powder and a liquid water-glass component (KEIM Fixativ) as binder.

KEIM Dekorfarbpulver (colour powder)

Pure mineral colour powder with absolutely light-fast and inorganic pigments and special, reactive, mineral fillers.

KEIM Fixativ

Pure silicate binder for KEIM Dekorfarben (5 kg colour powder and 4 l Fixativ add up to approx. 10 kg ready, soaked paint).

Mixed with water in ratio 1:1 to achieve a higher degree of dilution of the soaked decor paint for a translucent application.

Prefixing for strongly absorbent or sanding substrates and afterfixing for insufficiently bound silicate coatings (in both cases diluted with water, e.g. in ratio 1:1).

2. Field of application

KEIM Dekorfarben can be applied to any sound, mineral substrates, especially to lime-/lime-cement render, mineral finishing plaster, fair-faced concrete, natural stone and mineral artificial stones. In case of new render substrates, the top render layer must have a minimum layer thickness of 5 mm. Lightweight renders are not suitable.

KEIM Dekorfarben offer many design possibilities and application techniques. Due to their colour brilliance and longevity they are particularly suited for designs with a high demand for durability and luminosity.

3. Product properties

- Silicifies unsolvably with the substrate
- Mineral matt
- Absolutely lightfast, inorganic pigments
- Straight light reflection
- Highest vapour permeability (s_d -value = 0.01 m)
- UV-resistant in all components
- Non-flammable

- Resistant to industrial pollution
- Resistant to solvents
- Non-swelling
- Any desired finish - from translucent to opaque
- Environmentally friendly
- Ecologically safe building material

Material characteristics

KEIM Dekorfarbpulver (colour powder)

Density: approx. 0.7 g/cm³

KEIM Fixativ

Specific weight: 1.17 g/cm³

pH-value: 11.3

KEIM Dekorfarbe (decor paint)

Resistance to vapour diffusion: $s_d = 0.01$ m

Colour shades (KEIM Dekorfarbpulver)

26 colours according to KEIM Art & Decor

4. Application instructions

Substrate preparation

The substrate has to be sound, dry, absorbent, clean, free from dust and grease. Loose parts, dirt, oily substances, moss and algae have to be completely removed.

Old, film-forming coatings have to be totally stripped off with KEIM Dispersionsentferner (paint stripper). Highly absorbing or sanding substrates should be pretreated with KEIM Fixativ, 1:1 diluted with water.

Sinter layers of new render have to be removed with KEIM Ätzflüssigkeit (lime remover); see technical data sheet.

To equalise the substrate and to increase colour brilliance a white base coat with KEIM Purkristalat with addition of KEIM Kristall-Felsit is recommended.

Application

For paintings with KEIM Dekorfarben each colour area is to be applied twice. The paint should be applied in thin layers.



Soaking

Soak 5 kg of KEIM Dekorfarbpulver in 4 l KEIM Fixativ and stir until homogeneity. This mix equates to approx. 10 kg ready-to-use paint for the finishing coat. Preparing the material the day before provides a better homogeneity and lower consumption rates.

Opaque painting

For the first coat, the soaked paint is diluted with approx. 20 – 60% of KEIM Fixativ depending on the absorption of the substrate. Apply the second coat undiluted.

Translucent painting

The soaked KEIM Dekorfarben is diluted with a mixture of KEIM Fixativ and water in ratio 1:1 to the desired degree of translucency.

After the painting is finished, carefully carry out wipe test. In case of chalking re-fix the painting with a mixture of KEIM Fixativ and water in ratio 1:1. Remove any fixing liquid, which is not absorbed by the substrate within about 3 minutes, with a sponge.

Application conditions

Air and substrate temperature > 5°C. Do not apply under direct sun or onto sun-heated substrates. Protect surfaces during and after application from direct sun, wind and rain.

Drying times

A drying time of at least 12 hours between individual coats and/or between coats and fixings is required.

ConsumptionFor opaque painting per m²:

approx. 0.35 kg KEIM Dekorfarbpulver +
approx. 0.4 l KEIM Fixativ

For translucent application per m²:

approx. 0.02 kg KEIM Dekorfarbpulver +
approx. 0.1 l KEIM Fixativ

Exact values can only be determined by painting trial areas on the structure to be coated.

Cleaning of tools

Clean immediately after use with plenty of water. Tools should be kept in the product or in water during breaks.

Third-party additives

To preserve the specific characteristics of KEIM Dekorfarben do not add any other substances.

Painting maintenance

To clean the paintings from dust and dirt it is recommended to clean these about every 10 – 20 years with a mixture of water and approx. 5% of liquid ammonia using a soft brush. Afterwards clean with clear water.

Completely dried out areas are to be refixed with a mixture of KEIM Fixativ and water (in ratio 1:3) 1 - 3 times by spray application.

5. PackagingKEIM Dekorfarbpulver (colour powder)

Bags of 250 g, 500 g and 5 kg

KEIM Fixativ

4 and 24 l container

A KEIM Dekorfarben assortment is available for trial applications.

6. Storage

KEIM Dekorfarbpulver can be stored for unlimited time period if kept dry.

Store KEIM Fixativ cool, but frost-free in tightly closed containers. Shelf life: approx. 12 months.

7. Hazardous substances ordinance class

see Safety Data Sheet

8. Transport hazard class

n/a



9. Disposal

KEIM Dekorfarbpulver (colour powder)

EC Waste Code No. 08 01 04

KEIM Fixativ

EC Waste Code No. 06 02 99

Any residues must be emptied out of containers before recycling.

10. Safety instructions

The mineral binder has an alkaline action. Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics, wood 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 02

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