



KEIM DECOR PAINTS

Pure silicate-based paints for long lasting, decorative, protective wall paintings
(Keim B-Technique)

1. Product Information

Keim Decor Paints are a two-part pure silicate-based system for decorative wall paintings offering highest life span and unsurpassed luminosity. Keim Decor Paints consist of a pigment powder and a liquid waterglass component (Keim Fixativ).

Keim Decor Paint powder

Pure mineral powder with completely light-fast, in-organic pigments and mineral fillers.

Keim Fixativ

Pure mineral, silicate binding agent for use with Keim Décor Paints. (5kg Powder and 4lt Fixativ equates to approximately 10kg paint).

Can be thinned with a mixture of 1 part Fixativ to 1 part clean water to any required degree of translucency.

Can also be used as a pre-treatment for friable and highly absorbent surfaces and as a further fixing treatment for unbound silicate coatings (always diluting with water, for example to a ratio of 1:1).

2. Field Of Application

Keim Décor Paints can be applied to any mineral substrate such as renders with a pure lime binder and those with lime and cement as binders, fair faced concrete, natural stone, clay bricks and calcium silicate bricks. The top layer on new render must have a minimum layer thickness of 5 mm. Lightweight renders are not suitable.

Keim Décor Paints offer many design possibilities based on their colour brilliance and longevity they are particularly suitable for designs with a high demand for durability and brilliance.

3. Product Characteristics

- Light-fast inorganic pigments
- Maximum pigment concentration
- Light reflective
- Mineral matt appearance
- Weatherproof
- Non film forming
- Water vapour permeable ($s_d = 0.01m$)
- UV-resistant in all components
- Resistant to industrial pollution

- Environmentally friendly
- Non flammable
- Solvent resistant
- Colours range from complete opacity to a high degree of translucency

Material Data:

Keim Décor Paint (powder)

Density approx.: approx. 0.7 g/cm^3

Keim Fixativ

Specific weight: 1.17 g/cm^3

pH: 11.3

Keim Decor Paint

Resistance to vapour diffusion: $s_d = 0.01 \text{ m}$

Colour Shades:

26 colours according to the Keim Colour Spectrum (Décor Paints)

4. Application

Substrate Preparation:

When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using Keim Mineral Paints may proceed.

Old film forming paint coats should be fully removed using a suitable Keim paint stripper. For friable and highly absorbent surfaces apply a single coat application of Keim Fixativ, diluted 1:1 with clean cold water by brush and work well in to the surface.

For the removal of lime sinter from new renders and the cleaning of old render substrates use Keim Lime Remover (see technical data sheet).

If surfaces have been repaired, or show differences in texture, a mixture of Keim Kristall Felsit and Keim Purkristalat should be applied either as a primer coat or as an admixture to the first and second coat of paint. The actual coverage should be ascertained on a trial area.

Decoration:

For paintings with Keim Décor Paints each colour area should be applied twice. The paints should be applied sparingly.

Mix 5 kgs of Keim Décor Paint powder with 4 litres of Keim Fixativ (5kg Powder and 4lt Fixativ equates to approximately 10kg paint).

Opaque Colours:

For the first coat this basic mix is to be thinned with 20% - 60% of Keim Fixativ depending on the absorption of the substrate. The second coat is to be applied undiluted.

To improve the workability and ease of application of these paints, it is advisable to mix the powder with Keim Fixativ the previous day.

Semi-translucent colours:

The basic mix of Keim Décor Paint and Keim Fixativ can be thinned with a mixture of 1 part Fixativ to 1 part clean water to any required degree of translucency. When the painting is completed, it should be checked by lightly going over it with a white soft cloth to see if paint comes off. If this is the case, the painting should receive an extra fixing treatment with a mixture of 1 part Fixativ and 1 part water. Any fixing liquid, which is not absorbed by the substrate within 3 minutes, should be removed with a sponge.

Between each of the aforementioned fixing treatments a waiting period of at least 12 hours should be observed to make sure the previous layer has completely dried prior to applying the next layer. In other words, only an absolute dry ground can be fixed. In order to check, whether a wall painting is fully fixed, it should be rubbed with a white cloth. If the paint is still coming off in places, these should be treated again until fixed.

The fixing operation, however, is never to be carried out in direct strong sunlight, or at ambient temperatures below 5°C (40F). Protect all surfaces from direct sunlight, wind and rain during and after application.

Consumption:

Opaque:	approx. 0.35 kg Keim Décor Paint Powder approx. 0.4lt Keim Fixativ
Semi-translucent:	approx. 0.02 kg Keim Décor Paint Powder approx. 0.1 lt Keim Fixativ

Site trials should be conducted to determine actual consumption rates.

Tools:

Clean immediately after use with water. Store tools in the paint or in water during breaks.

Note:

No other materials should be added to maintain the unique characteristics of the Keim Décor Paints.

Maintenance:

To clean wall paintings of dust and dirt it is recommended to clean these about every 10 – 20 years with water to which 5% liquid ammonia is added. This should be done by brushing it lightly with a soft brush, followed by clean water washing. When the painting is completely dry again, it is advantageous to spray it once more two to three times with a haze of fixing liquid. In this way the brilliance and beauty of the colours is revived and the work of art will retain its splendour throughout time.

5. Packaging

Keim Decor Paints:

250 g, 500 g and 5 kg bags

Keim Fixativ:

4 lt and 24lt containers

6. Storage

In dry conditions Keim Décor Paint powder can be stored indefinitely. Approx. 12 months for Keim Fixativ if kept cool, but frost free in tightly closed containers.

7. Identification Ref. Ordinance Of Dangerous Materials

Not applicable

8. Danger Class In Goods traffic

Not applicable

9. Disposal

Keim Decor Paints:

E.G. waste reference No. 08 01 04



