

KEIM PURKRISTALAT

Product Description

KEIM PURKRISTALAT is a two component mineral paint system for coatings of highest durability and excellent colour brilliance. Keim Purkristalat consists of a fine colour powder component (Purkristalat-powder) and a liquid waterglass component (Keim Fixativ) as binder.

Keim Purkristalat-powder:

Pure mineral colour powder with light-fast and inorganic pigments and reactive mineral powders.

Keim Fixativ:

Pure mineral, silicate binding agent for KEIM PURKRISTALAT

5 kg Purkristalat-powder and 4 l Fixativ equates to approx. 10kg mixed paint

Field of application

KEIM PURKRISTALAT can be applied on mineral, porous, mechanically stable substrates, in particular render. The top render layer must have a minimum layer thickness of 5mm.

KEIM PURKRISTALAT is particularly suited for restoring historic structures as well as application on to projects with a requirement for longevity and colour brilliance.

KEIM PURKRISTALAT should not be used onto previously painted surfaces

Product properties

KEIM PURKRISTALAT is a pure mineral paint. The binder is pure liquid potassium silicate.

- Silicifies with the substrate
- Non film forming
- Highest vapour permeability (sd-value = 0.01m)
- Mineral matt
- Absolutely lightfast, inorganic pigments
- All components are UV resistant
- Non flammable
- Anti-static
- Wash and scrub resistant
- Resistant to industrial pollution and solvents
- Range of design possibilities, from translucent to opaque
- Lime like appearance
- Environmentally friendly
- Low environmental impact

Material characteristics :

KEIM Purkristalat-powder:

Density : approx. 0.6–0.8 g/cm³

KEIM Fixativ :

Specific weight : 1.17g/cm³

pH value : 11.3

KEIM PURKRISTALAT Paint

Vapour diffusion resistance : sd = 0.01m

Lighfastness of colour pigment : A1

Colour shades

White and in accordance with Keim Exclusiv Palette, special colours available.

Application instructions

Substrate preparation

KEIM PURKRISTALAT should not be used onto previously painted surfaces. If there are existing coatings these should be stripped prior to use of the KEIM PURKRISTALAT system.

Highly absorbing or sanding substrates should be pretreated with Keim Fixativ, diluted 1:1 with water.

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM PURKRISTALAT may proceed.

Application

Soaking

Soak 5kg of KEIM PURKRISTALAT powder in 4lt Keim Fixativ and stir until homogeneity (this mixture equates to approximately 10 kg of ready to use paint). Better homogeneity and higher yield (lower consumption) is achieved from preparing the material the day before.

First Coat

For the first coat, this basic mix is to be thinned with 2 to 6lt of Keim Fixativ depending on the absorption of the substrate. The first coat is to be brush applied. KEIM PURKRISTALAT should be applied keeping a wet edge, preferably by brush or low pressure spraying. If necessary, the filling additive Keim Kristall Felsit may be added.

Second Coat

For the second coat the undiluted basic mix should be applied in a like manner.

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

2 coat KEIM PURKRISTALAT application

KEIM Purkristalat-powder : 0.35 kg/m²

KEIM Fixativ : appr. 0.4lt/m²

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

Cleaning of tools

Clean immediately after use with plenty of water.

Packaging

KEIM Purkristalat-powder : 5kg and 30kg sacks

KEIM Fixativ : 4lt and 24lt metal containers

Storage

KEIM Purkristalat-powder can be stored for an unlimited time period if kept dry. Store KEIM Fixativ cool, but frost-free in tightly closed containers. Shelf life: approx. 12 months.

Disposal

KEIM Purkristalat-powder : EC Waste Code No. 08 01 12

KEIM Fixativ : EC Waste Code No. 06 02 99

Any residues must be emptied out of containers before recycling.

Safety instructions

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children. Refer to COSHH data sheet.

Remarks

The current data sheet replaces any previous version.

Our advice and information are given in good faith and depending on the latest developments of our products. We guarantee the consistent quality of our products, but do not accept any liability concerning their application. In any case, we do recommend to consider the type of substrate and the climatic conditions before applying our products or to apply a test surface in order to analyze the suitability of the product for the given substrate. In case of doubt regarding the substrate, consult our technical service department.