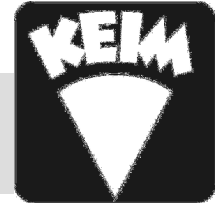


## KEIM Royalan Mineral silicate paint for extreme climates



### 1. Product description

Keim Royalan is a high performance mineral paint system for use in extreme climatic conditions. Keim Royalan offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate.

Keim Royalan is made using pure inorganic mineral fillers, absolutely lightfast inorganic pigments, additives and potassium silicate binder.

### 2. Field of application

For all mineral, absorbent surfaces, in particular suitable for restoration coatings on repaired and stripped surfaces. Suitable for highly exposed surfaces, glass, ceramics and glazed surfaces.

### 3. Product properties

Keim Royalan is a long life exterior silicate based paint with a modified potassium silicate binder. Keim Royalan has a high coverage and contains only lightfast inorganic pigments.

Water vapour permeable  
Lightfast  
Easy to clean  
Non flammable  
Non film forming  
Mineral matt  
UV and weather resistant  
Resistant to industrial pollution and acid rain  
Water repellent  
No solvents added  
Resists extreme climatic conditions  
Resists mould and fungal growth

### Material characteristics

specific weight: approx. 1.4g/cm<sup>3</sup>  
pH-value: approx. 11  
lightfastness of colour: A1  
water vapour transmission rate:  
V > 1500g/m<sup>2</sup>d  
diffusion equivalent air layer thickness:  
s<sub>d</sub> = 0.01 m, class I  
liquid water permeability rate (24 h):  
w = 0.12kg/m<sup>2</sup>h<sup>0.5</sup>  
gloss at 85°: 0.5 matt

### Colour shades

White and in accordance the Keim Exclusiv Palette with specials available.

### 4. Application instructions

#### Substrate preparation

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 Mineral Paints may proceed.

#### Application

Onto unpainted surfaces Keim Royalan should be applied as a two coat system, the first coat to be diluted with 20% by weight Keim Royalan Dilution and applied by brush or roller, working well into all surfaces, with a minimum period of 12 hours between coats.

For previously painted surfaces Keim Royalan Grob should be used as a first coat.

### 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

Approx. 0.4kg/m<sup>2</sup> Keim Royalan and 0.04lt/m<sup>2</sup> Keim Royalan Dilution.

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 water

## 5. Packaging

5kg and 25kg containers

## 6. Storage

Approx. 12 months, if kept cool, but frost free in tightly closed containers.

## 7. Disposal

Dispose completely emptied containers in accordance with local, regulations

## 8. 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.

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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

