



## TECHNICAL DATA SHEET

# KEIM ROYALAN<sup>®</sup> GROB

## 1. PRODUCT DESCRIPTION

KEIM Royalan Grob is a highly filled primary coat and filler for the KEIM Royalan system which reacts chemically with the surface. Can be used as a bridging coat on previously painted surfaces or to bridge hairline cracks and equalise the surface. KEIM Royalan is formulated for use in extreme climatic conditions.

The KEIM Royalan system offers water repellency, vapour permeability and forms a chemical bond with the mineral substrate. KEIM Royalan Grob is made using pure inorganic mineral fillers, lightfast inorganic pigments, additives, potassium silicate binder and glass fibres.

## 2. FIELD OF APPLICATION

For all previously painted surfaces to be decorated with the KEIM Royalan system and on all absorbent and mineral surfaces, for filling or closing of hairline cracks and equalising differences in texture.

This product should be used in conjunction with the other components of the KEIM Royalan system. KEIM Royalan Grob is not suitable for use as a top coat.

## 3. PRODUCT PROPERTIES

KEIM Royalan Grob is a ready to apply, highly filled mineral-based paint with a potassium silicate binder.

- Water vapour permeable
- Lightfast
- Non-flammable
- Water repellent
- Mineral matt
- UV and weather resistant
- Resists industrial pollution and acid rain
- Resists extreme climatic conditions
- Resists mould and fungal growth

### Material characteristics

Specific weight: approx. 1.6g/cm<sup>3</sup>  
Diffusion-equivalent air thickness:  $s_d \leq 0.01$  m  
Density:  $Q=1.41$  g/cm<sup>3</sup>  
Thermal Expansion:  
Comparable to the mineral substrate onto which it is applied

### Colour shades

White

## 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

KEIM Royalan Grob should be diluted with 20% by weight KEIM Royalan Dilution, brush or roller applied and worked well into all surfaces. After a minimum period of 12 hours a final coat of KEIM Royalan in the chosen colour may be applied in a like manner, undiluted.

### 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.

### Drying time

A drying time of at least 12 hours must be left before decorating with KEIM Royalan.

### Cleaning of tools

Clean immediately after use with water

### Consumption

Approx. 0.2kg/m<sup>2</sup> KEIM Royalan Grob and 0.04lt/m<sup>2</sup> KEIM Royalan Dilution (20% 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.

### 5. PACKAGING

5 kg and 25 kg containers

### 6. STORAGE

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

### 7. DISPOSAL

Dispose completely emptied canisters 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.

Please, refer to the EC Material Safety 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.

