



KEIM ROYALAN

1. Product Information

Mineral silicate paint system for use in extreme climatic conditions. Offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate.

2. Field Of Application

For all mineral, absorbent surfaces, in particular suitable for restoration coatings on repaired and stripped surfaces.

3. Product Characteristics

- Water vapour permeable
- Colour fast
- Resistant to mould and fungal growth
- Easily cleaned
- Free from solvents
- Free from biocides
- Easy to over paint
- Non flammable
- Withstands extreme climatic conditions

Material Data:

Resistance to vapour diffusion: $s_d = 0.02 \text{ m}$

Density: Q= 1,46 (white)
1,42 – 1,51 (colours)

Water Absorption Co-efficient:

$W = 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$ (water-repellent)

Thermal Expansion:

Comparable to the mineral substrate to which it is applied onto

Flash point: Non-flammable

Colour Shades:

350 standard colours according to the Keim Palette with specials available

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.

Keim Royalan should be applied onto wind dry surfaces where the moisture content on or near the surface (to a depth of 5mm approximately) should be no greater than 18% by volume. For on-site purposes a moisture reading may be employed to give a qualitative reading – if the reading is in the green zone decoration may proceed

Decoration:

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. After a minimum period of 12 hours a final coat of Keim Royalan may be applied undiluted. For previously painted surfaces Keim Royalan Grob should be used as a first coat.

Air and surface temperature $>5^\circ\text{C}$

Consumption:

For two coats onto a smooth surface approx. 0.4 kg/m^2 Keim Royalan and 0.04 lt/m^2 Keim Royalan Dilution.

Tools:

Clean immediately after use with water.

5. Packaging

5 & 25 kg containers

6. Storage

Approx. 12 months, 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. 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.

