



TECHNICAL DATA SHEET

KEIM ROYALAN® DILUTION

1. PRODUCT DESCRIPTION

Dilution for KEIM Royalan, reacts chemically with the surface. The product comprises of liquid potassium silicate and stabilisers.

2. FIELD OF APPLICATION

Used to consolidate friable surfaces as a binder coat and as dilution for KEIM Royalan and KEIM Royalan Grob, and for equalisation or reduction of the absorbency of mineral substrates.

3. PRODUCT PROPERTIES

KEIM Royalan Dilution bonds permanently (silicification) with the substrate, is extremely water vapour permeable, highly resistant to weathering and incombustible.

- Consolidates the surface
- Odourless and non-toxic
- Weather resistant
- Non-film forming
- Non-flammable
- UV and solvent resistant
- Resists fungal and mould growth

Material characteristics

Density: $Q = 1,17 \text{ g/cm}^3$

Specific weight: 1.03 g/cm^3

pH value: approx. 11.3

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

For pre-treating highly absorbent substrates

Apply KEIM Royalan Dilution undiluted with a brush and work well into all surfaces.

For diluting KEIM Royalan and KEIM Royalan Grob

See KEIM Royalan/Grob Technical Data Sheets

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

Depending upon the absorbency of the surface, approx. 0.15 lt/m^2 . For use as a dilutant for KEIM Royalan/Grob products please refer to product data sheets.

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

5 lt and 20 lt 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

KEIM Royalan Dilution is alkaline. 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.

