



TECHNICAL DATA SHEET

KEIM ROYALAN[®]-DILUTION

1. PRODUCT DESCRIPTION

Dilution and primer for the KEIM Royalan system products. Reacts chemically with the mineral surface. The product comprises liquid potassium silicate, pure acrylate, stabilisers and additives.

2. FIELD OF APPLICATION

Pretreatment to consolidate friable surfaces and to equalize or reduce the absorbency of mineral substrates and, dilution for the KEIM Royalan paint system.

3. PRODUCT PROPERTIES

KEIM Royalan-Dilution chemically reacts with the substrate (silicifies), is highly water vapour permeable, highly resistant against weathering and non-combustible.

- Silicifies insoluble with the substrate
- Non-film-forming
- Resistant against industrial fumes
- Resistant against solvents
- Ecologically compatible
- Consolidates the surface
- Non-toxic
- Highly water vapour permeable

Material characteristics:

- Density: approx. 1.03 g/cm³
- Flashpoint: non-combustible
- pH-Value: approx. 11

4. APPLICATION INSTRUCTIONS

Substrate Preparation:

All loose and flaking paint should be removed using wire brushes and wide bladed scrapers to get back to a sound substrate surface.

When all surfaces are clean, sound, dry, free from dust and all surface contaminants, decoration with the KEIM Royalan system may proceed.

Pretreatment of highly absorbent or sanding substrates:
Application of undiluted KEIM Royalan-Dilution by brush.

Dilution of the KEIM Royalan system products:
Please refer to the relevant Technical Data Sheets.

Working conditions:

Air and surface temperature: > 5°C

Drying times:

Between priming and base coat as well as between the coats a drying time of min. 12 hours is to be respected.

Consumption per m²:

Depending on the surface absorbency as primer approx. 0.1 - 0.2 l.

These consumption figures are typical values and strongly depend upon the texture and absorbency of the substrate. Exact consumption values can only be defined by applying trial areas on the structure to be treated.

Tools:

Clean immediately after use with water. Tools should be kept in the material or in water during work breaks.

5. PACKAGING

5 l and 20 l canisters

6. STORAGE

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

7. DISPOSAL

Dispose of completely emptied canisters in accordance with local, state and federal waste regulations.



8. SAFETY INSTRUCTIONS

KEIM Royalan-Dilution is alkaline. Cover areas which are not to be coated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Do not swallow. Keep out of reach of children.

Please, refer to the relevant Safety Data Sheet.

This product is only intended for the sale to and the application by professional applicators. The application instructions as well as the labelling are to be adhered to. The recommendation values and characteristics stated are the result of intensive development work and practical experience. Our verbal and/or written recommendations regarding the use and application of our products are to assist in the choice of our products and are not the basis of a contractual and/or legal relationship. They do not release the purchaser and/or applicator from the obligation to verify the suitability of our products for the intended application with due diligence. The prevailing general rules of building technology are to be respected. KEIMFARBEN GmbH has adopted a policy of constant product development. Modifications serving the improvement of the product or its application are reserved. This edition supersedes all earlier editions.



KEIMFARBEN GMBH

Keimstraße 16 / 86420 Diedorf / Tel. +49 (0)821 4802-0 / Fax +49 (0)821 4802-210
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 (0)35456 676-0 / Fax +49 (0)35456 676-38
www.keimfarben.de/info@keimfarben.de