



1. Product information

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

2. Field of application

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

3. Product properties

KEIM Royalan-Dilution chemically reacts with the substrate (silicifies), is highly water vapor 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
- Flash point: non flammable
- pH-Value: approx. 11.3

4. Application

Substrate Preparation

All loose and flaking paint should be removed using wire brushes and broad bladed scrapers to get back to a sound edge. When all surfaces are clean, sound, dry, dust free and free from 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 products of the KEIM Royalan system:
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 1 m²

According to absorbency of the surface as primer approx. 0.1 - 0.2 l. For use with other products please refer to the relevant technical data sheets. These consumption figures are typical values and strongly depend upon the texture and absorbency of the substrate. Exact consumption ratios may only be defined by trial applications on the project.

Tools

Clean immediately after use with water. During work pauses the tools should be kept in the product or water.

5. Packaging

5 l and 20 l canisters

6. Storage

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

7. Hazardous substances ordinance class

Not applicable

8. Transport hazard class

Not applicable

9. Disposal

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



10. Safety Instructions

KEIM Royalan-Dilution is alkaline. Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Splashes onto surrounding areas are to be removed immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Refer to the relevant safety data sheets.

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 & Co. KG 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.

