



### 1. Product description

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

### 2. Field of application

Used as consolidant for soft sanding surfaces, as dilution for the KEIM Royalan system and, to equalize or reduce the absorbency of mineral substrates.

### 3. Product properties

KEIM Royalan-Dilution chemically reacts with the substrate (silicification), is highly vapor permeable, and highly resistant against weathering.

- Chemically bonds with the substrate
- Non-film-forming
- Noncombustible
- Resistant acid rain and industrial pollution
- Resistant against solvents
- Ecologically compatible
- Consolidates the surface
- Non-toxic
- Highly water vapor permeable

#### Material characteristics

- Density: approx. 1.03 g/cm<sup>3</sup>
- Flash point: non flammable
- pH-Value: approx. 11.3

### 4. Application instructions

#### Substrate Preparation:

All loose and flaking paint should be removed using wire brushes and scraper. When all surfaces are clean, sound, dry, dust free and free from all surface contaminants, application of 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 (41 °F).

#### 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 m<sup>2</sup> (10.8 sq ft)

Depending on absorbency of the surface, as primer approx. 0.1 - 0.2 l (3.4 - 6.8 fl oz).

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 application process the tools should be kept in the product or in 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**

n/a

**8. Transport hazard class**

n/a

**9. Disposal**

EC Waste code No. 06 02 99

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

**10. 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.

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.

