



## TECHNICAL DATA SHEET

# KEIM ROYALAN®-DILUTION

## 1. PRODUCT DESCRIPTION

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

## 2. FIELD OF APPLICATION

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KEIM Royalan-Dilution serves as a thinner in the KEIM Royalan system.  
With KEIM Royalan-Dilution, the absorbency of highly absorbent mineral substrates can be regulated or reduced.

## 3. PRODUCT PROPERTIES

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- silicifies insolubly with the substrate
- non-film forming
- environmentally friendly
- sound in terms of building biology
- low environmental impact
- highly permeable
- resistant against industrial emissions
- solvent-resistant
- fire behaviour: non-flammable
- low-odour

### MATERIAL CHARACTERISTICS:

- |                    |                                      |
|--------------------|--------------------------------------|
| - Density:         | approx. 0.9 - 1.15 g/cm <sup>3</sup> |
| - Organic content: | ≤ 5 %                                |
| - pH value:        | approx. 11                           |

### COLOUR SHADES:

milky

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be ≥ 5 °C.

### APPLICATION:

For pre-priming highly absorbent substrates: KEIM Royalan-Dilution apply undiluted with a brush.  
Use as a thinner in the KEIM Royalan system: siehe jeweiliges Technisches Merkblatt der zu verdünnenden Produkte .

### DRYING TIME:

Can be overcoated after 12 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

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### CONSUMPTION:

approx. 0,15 l/m<sup>2</sup> Application as primer.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

### CLEANING OF TOOLS:

Clean immediately with water.

## 5. PACKAGING

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Container content	Unit of measure	Quantity on pallet	Type of container
20	l	24	jerry can
5	l	96	jerry can

## 6. STORAGE

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max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

## 7. DISPOSAL

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For disposal information refer to section 13 of the safety data sheet.

### EC WASTE CODE:

Waste code: 06 02 99

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

## 9. GENERAL INFORMATION

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Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

## 10. CERTIFICATES & QUALITY SEALS

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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 the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.



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