



## TECHNICAL DATA SHEET

# KEIM RESTAURO®-LASUR

## 1. PRODUCT DESCRIPTION

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KEIM Restauro-Lasur is a ready-to-use thin-layer paint on a sol-silicate basis, specially for glaze coats on natural stone. KEIM Restauro-Lasur is water-repellent and also meets the requirements of DIN 18363, 2.4.1.

## 2. FIELD OF APPLICATION

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KEIM Restauro-Lasur is in connection with KEIM Restauro-Fixativ or KEIM Spezial-Fixativ particularly suitable for the glazing colour design of sandstone surfaces, e.g. for colour matching of repairs to the original stone substance.

KEIM Restauro-Lasur and KEIM Restauro-Fixativ or KEIM Spezial-Fixativ can be mixed with each other in any ratio, depending on the desired glazing effect. For slightly absorbent surfaces, use the thinner Spezial-Fixativ KEIM (special fixative).

Not suitable for:  
horizontal and inclined surfaces exposed to weathering

## 3. PRODUCT PROPERTIES

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- excellent application properties
- mineral
- low stress
- highly permeable
- microporous
- absolutely UV-resistant
- antistatic, non-thermoplastic

### MATERIAL CHARACTERISTICS:

- Density: approx. 1.1 - 1.3 g/cm<sup>3</sup>
- Organic content: < 5 %
- pH value: approx. 11

### CLASSIFICATION:

- Classification according to: DIN EN 1062-1
- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): ≤ 0,01 m
- Diffusion-equivalent air layer thickness class: V1
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 7783

### COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. On-site tinting exclusively with system related monochrome shades/full-tone colours monochrome shades 9001 to 9010 available.

## 4. APPLICATION INSTRUCTIONS

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## TECHNICAL DATA SHEET – KEIM RESTAURO®-LASUR

### SUBSTRATE PREPARATION:

The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings must be removed mechanically or by high-pressure water jetting. Defective areas must be filled and texture-matched using a suitable repair material. Any sintered layers on new renders must be removed with KEIM Ätzflüssigkeit (lime remover) according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover) according to the specifications in the Technical Data Sheet.

Pre-fixing: Strongly absorbing surfaces must be primed with undiluted KEIM Restauro-Fixativ. Please, refer to the Technical Data Sheet of the primer regarding application.

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### APPLICATION:

Glaze coats: In exterior areas, two coats of glaze are required due to the requirement for weather resistance. If a particularly transparent effect is desired, a single glaze coat is possible if a clear pre-fixation with KEIM Restauro-Fixativ is also applied.

Primer coat: The glaze primer coat should generally be applied heavily thinned with a brush. Dilution ratio here 1:1 bis 1:20 with KEIM Restauro-Fixativ or KEIM Spezial-Fixativ or KEIM Spezial-Fixativ (special fixative).

Final coat: The glaze finishing coat can be applied with undiluted KEIM Restauro-Lasur or, depending on the desired glaze effect, diluted with KEIM Restauro-Fixativ or KEIM Spezial-Fixativ or KEIM Spezial-Fixativ (special fixative).

Note additional moisture protection: Particularly with thin-layer glaze coats, additional moisture protection measures may be necessary on surfaces heavily exposed to water or to protect moisture-sensitive building materials. In such cases, a hydrophobic primer with KEIM Silangrund and KEIM Spezial-Fixativ (special fixative) as diluent is recommended.

### DRYING TIME:

A waiting time of 12 hours is required between pre-fixation and the glaze coat.

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.

In case of priming with KEIM Silangrund, the following glaze coat should be applied after approx. 4 hours.

### CONSUMPTION:

approx. 0,15 l/m<sup>2</sup> for two coatings.

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

Container content	Unit of measure	Quantity on pallet	Type of container
15	l	24	bucket
5	l	70	bucket
1	l		can

## 6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free protected from heat and direct sun.

## TECHNICAL DATA SHEET – KEIM RESTAURO®-LASUR

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### STORAGE INFORMATION:

Material residues from opened containers should be refilled into smaller containers to keep the air space in the bucket as low as possible.

## 7. DISPOSAL

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

### EC WASTE CODE:

Waste code: 08 01 12

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

### GISCODE:

GIS code: BSW 40

## 9. GENERAL INFORMATION

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Note: After-treatment with a water-repellent agent is not necessary with KEIM Restauro-Lasur.

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.