



## TECHNICAL DATA SHEET

# KEIM CONCRETAL®-LASUR

## 1. PRODUCT DESCRIPTION

Sol-silicate mineral paint system for use on concrete surfaces to provide a colour wash or semi-transparent finish. Offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate.

## 2. FIELD OF APPLICATION

In-situ and precast concrete walls, soffit elements and structures, blockwork, lightweight concrete, asbestos cement and cementitious building boards.

For providing a low pigment finish on fair-faced interior and exterior concrete surfaces to retain the fair faced appearance while concealing stains or repairs and for providing colour wash finishes. Retains surface texture and provides a protective water and weatherproof finish.

## 3. PRODUCT PROPERTIES

- Water vapour permeable
- Colour fast
- Resistant to mould and fungal growth
- Easily cleaned
- Free from solvents
- Free from biocides
- Unifies colour
- Non-flammable

### Material characteristics

Resistance to vapour diffusion:

$$s_d = 0.01 \text{ m}$$

Density:

1.15-1.45g/cm<sup>3</sup> depending upon colour and opacity

Water Absorption Co-efficient:

$$W = 0.20 \text{ kg/m}^2 \text{ h}^{0.5}$$

Thermal Expansion:

Comparable to the mineral substrate onto which it is applied.

### Colour shades

In accordance with the KEIM Exclusiv swatch, the range of KEIM Concretal Lasur colours with specials available.

## 4. APPLICATION INSTRUCTIONS

### Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM Mineral Paints may proceed.

### Application

KEIM Concretal Lasur will enable a colourwash appearance to be applied to the concrete; this can match the surface and be employed to minimise any surface variations or blemishes. The system will protect the concrete whilst still maintaining the feel and appearance of a concrete façade.

KEIM Concretal Lasur should be applied by brush and laid off with a lambs wool pile roller or by airless spray, it is important that a wet edge is kept at all times and that contractors work to a natural breakline.

A typical specification would be a two coat KEIM Concretal Lasur system; the first coat to be KEIM Concretal Dilution or Base applied by brush and worked well into all surfaces. After a minimum period of 12 hours a final coat of KEIM Concretal Lasur may be applied, diluted to the required level with KEIM Concretal Dilution or Base.

Site trials should be conducted to determine the amount of KEIM Concretal Dilution or Base required to obtain the desired opacity.

### Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

### Consumption

For a two-coat system, using a 3:1 dilution ratio on the second coat, approximately 0.025lt/m<sup>2</sup> for KEIM Concretal Lasur and 0.075lt/m<sup>2</sup> for KEIM Concretal Dilution.

Consumption rates are offered for guideline purposes only and are quoted for smooth surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

### Cleaning of tools

Clean immediately after use with water.

## 5. PACKAGING

5 lt & 15 lt containers

## 6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

## 7. SAFETY INSTRUCTIONS

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

