



## TECHNICAL DATA SHEET

# KEIM SOLDALIT®

## 1. PRODUCT DESCRIPTION

KEIM Soldalit is a highly specialised mineral paint system based on a binding agent combination of silica sol and potassium silicate, for use on exterior surfaces. This combination allows the application of mineral coatings not only on mineral, but also on a variety of previously painted surfaces directly without the use of any stabilising agents.

Offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate. KEIM Soldalit is made using pure inorganic mineral fillers, earth oxide colour pigments, potassium silicate and silica sol binders.

## 2. FIELD OF APPLICATION

For all mineral, absorbent surfaces, in particular suitable for restoration coatings on repaired and stripped surfaces, suitable for application onto previously painted surfaces.

## 3. PRODUCT PROPERTIES

Binder: combination of silica sol and water glass (sol-silicate)

- Multipurpose application
- UV and acid resistant, anti-static
- High weathering resistance
- Alkaline
- Non-flammable
- Lightfast
- Mineral matt
- Water vapour permeable, microporous
- Non-film forming
- Highly water repellent
- No solvents and plasticisers added
- Resists algal and fungal growth

### Material characteristics

Specific Weight: approx. 1.6g/cm<sup>3</sup>  
pH Value: approx. 11  
Colour fastness: A1

### According to Din EN 1062-1

Water vapour diffusion density:

$$V \geq 2000\text{g/m}^2\text{d}$$

Diffusion-equivalent air layer thickness:

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

Water permeability rate (24 h):

$$w < 0.1\text{kg}/(\text{m}^2\text{h}^{0.5})$$

Gloss at 85°: 1.5

### Colour shades

White and in accordance with the KEIM Exclusiv and KEIM Avantgarde swatches, 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.

Highly absorbent or friable substrates should be treated with KEIM Soldalit Fixativ. A base coat of KEIM Soldalit Grob is recommended for substrates which have repaired or filled areas.

### Application

KEIM Soldalit should be applied as a two coat undiluted system. KEIM Soldalit can be applied by brush, roller, or air-less spray with a minimum period of 12 hours between coats.

Highly absorbent/roughcast substrates: KEIM Soldalit can be diluted with a maximum of 10% by weight of KEIM Soldalit Fixativ.

### 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**

Approx. 0.45kg/m<sup>2</sup> KEIM Soldalit for two coats.

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered 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 kg and 25 kg containers

## **6. STORAGE**

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

## **7. DISPOSAL**

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

## **8. 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.

