



TECHNICAL DATA SHEET

KEIM OPTIL®

1. PRODUCT DESCRIPTION

KEIM Optil is a ready to use silica-sol interior mineral paint in accordance with DIN EN 3 300.

2. FIELD OF APPLICATION

KEIM Optil is suitable for all conventional interior wall and ceiling surfaces whether unpainted or previously painted. KEIM Optil is particularly suitable for the creation of interior designs with specific requirements for high colour intensity and appearance, in prestigious architecture and poor lighting conditions.

3. PRODUCT PROPERTIES

- With MacroFill technology for maximum light scattering
- Intense and lightfast colour shades
- Optimised for application in areas with glancing lighting conditions
- Abrasion resistant
- Outstanding hiding power
- Economic consumption
- Highly vapour permeable
- Non-flammable
- Resists mould growth (certified resistance to fungi)
- Low environmental impact

Material characteristics

Specific weight: approx. 1.57g/cm³

pH-value: approx. 11

Diffusion-equivalent air-layer thickness:

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

Water vapour diffusion density:

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

Classification according to DIN EN13300

Gloss at 85°: matt

Maximum grain size: fine

Contrast ratio: Class 1

Wet abrasion resistance: Class 2 – 3 depending upon colour

Colour

White, and in accordance with shades from the KEIM Exclusiv and 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 Optil may proceed.

Application

KEIM Optil should be applied by brush or roller with a minimum period of 12 hours between coats.

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces.

Consumption

0.22lt per square metre for two coats.

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. 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.

