

KEIM Innotop® Sol-silicate interior paint



1. Product description

KEIM Innotop is a ready-to-use sol-silicate interior paint manufactured in accordance with DIN EN 13 300 (also complies with DIN 18 363, 2.4.1 silicate emulsion paint).

2. Field of application

KEIM Innotop is suitable for all conventional interior wall and ceiling surfaces.

KEIM Innotop is used for new construction as a first coating without a primer and also for typical recoating in living and commercial areas. The textured version KEIM Innotop-Grob is available to equalize imperfect substrates.

Over previously painted surfaces only one coat of InnoTop may be necessary due to its excellent hiding power.

Not suitable for surfaces with salt efflorescence, oil based paints or wood.

3. Product properties

- Very good hiding power (one coat coverage is possible)
- Homogeneous surface appearance
- Excellent workability properties
- Economic consumption
- Highly breathable
- Non-flammable
- Low tension
- Ecologically sound
- Velvet matt surface
- No solvents or plasticizers
- Very low to no VOC's
- LEED - yes

Material characteristics

- Org. content: < 5%

- Specific weight: approx. 1.45 g/cm³
- pH-value: approx. 11
- Diffusion-equivalent air layer thickness: $s_d < 0.01$ m (corresponds to water vapor diffusion density: $V > 2100$ g/m²d)
- VOC's (white or tinted) ASTM D6886: < 1g/l
- Nonflammable (class A2 according to DIN 4102/class A2-s1-d0 according to EN 13501-1)
- Vapor permeability 75 - 85 perms

Classification according to DIN EN 13300

- Gloss at 85° 0.3 (to ISO 2813): dull matt
- Maximum grain size (to EN 21524): fine
- Contrast ratio (hiding power) (to ISO 6504-3) (at a yield of 6 m²/l): class 1
- Wet abrasion resistance (to EN ISO 11998): class 3 (complies with "wash-resistant" to DIN 53778)

Color shade

White and KEIM's „Palette Exclusiv“ range: color group 1-(PG I). Factory tinted only.

4. Application instructions

Substrate preparation and application

The substrate must be sound, solid, dry, clean and free of dust, grease, oils, salts and other substances that would prevent bonding.

Substrate and air temperature during application and drying > 41 °F (5 °C).

No primers required for uncoated wall boards.



Optimization of surface homogeneity of subsequent paint coats, in particular under difficult light conditions or dusting surface, can be achieved by a pretreatment with KEIM Soliprim.

In the case of glancing light conditions, the substrate must be appropriately prepared, suitable tools must be used and greater care must be taken with the application.

KEIM Innotop may be applied by brush, roller or airless spraying (nozzle size: 0.64 mm/ 0.025 in.). The product may only be diluted with clean water (Max 10%).

Base coat:

KEIM Innotop undiluted or thinned with clean water up to 10% maximum (12oz of water/gallon of Innotop).

Top coat:

KEIM Innotop undiluted.

Drying times

A drying time of approx. 6 hours must be observed between coats in standard atmosphere (68°F /20°C and 65% relative humidity).

Consumption

Approximately 300 - 350 sq.ft./gallon on a smooth surface.

The stated consumption figures are for guidance. Exact values can only be determined by painting test areas on the structure to be coated.

Cleaning of tools

Clean with water immediately after use

5. Packaging

1 gallon, 2 gallon and 4 gallon containers.

6. Storage

12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sunlight.

7. Hazardous substances ordinance class

n/a

8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Product code: M-SK 01

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.

