TECHNICAL DATA SHEET

KEIM INNOTOP®

1. PRODUCT DESCRIPTION

KEIM Innotop is a ready-to-use sol-silicate paint for interior use in accordance with DIN EN 13 300 (also meets the requirements of DIN 18363 section 2.4.1, dispersion silicate paint). KEIM Innotop has been awarded Cradle to Cradle Certified® Full Scope Silver, Material Health Gold and Circularity Silver in accordance with Version 5.0.

2. FIELD OF APPLICATION

KEIM Innotop is suitable for all common interior wall and ceiling surfaces. KEIM Innotop is suitable for new as well as typical renovation coats in residential and commercial areas. For levelling inhomogeneous substrates, KEIM Innotop white is also available as a coarse variant. KEIM Innotop Can be used to paint all common interior substrates.

3. PRODUCT PROPERTIES

- Cradle to Cradle Certified® Full Scope Silver (Version 5.0)
- Cradle to Cradle Certified® Material Health Gold (Version 5.0)
- Cradle to Cradle Certified® Circularity Silver (Version 5.0)
- AgBB-approved
- QNG compliant
- very good covering power
- permeable
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- no solvents added
- no plasticisers added
- no preservatives added

MATERIAL CHARACTERISTICS:

– Density	approx. 1.4 g/cm³ - 1.7 g/cm³
– Organic content	< 5 %
– pH value	approx. 11

CLASSIFICATION:

– Classification according to	EN 13300
– Classification according to VOB	Silicate emulsion paint according to DIN 18363 sec. 2.4.1
– Water vapour diffusion flux density (V-value)	> 2000 g/(m² · d)
– Diffusion-equivalent air layer thickness (sd value)	≤ 0,01 m
– Standard Diffusion equivalent air layer thickness	DIN EN ISO 7783
– Resistance to wet abrasion	R-Class 3
– Standard Wet Abrasion Resistance	EN ISO 11998
– Covering power (Contrast ratio)	H10-Class 1

– Yield of covering capacity (contrast ratio)	6 m^2/L
– Standard Hiding power	ISO 6504-3
– Gloss level	G4 – dull matt (measuring angle 85°)
– Standard Gloss level	ISO 2813
– Maximum particle size	fine
– Standard Maximum particle size	EN 1524

COLOUR SHADES:
White; colour shades are produced exclusively using purely mineral, lightfast pigments. KEIM Innotop can be tinted to match all standard colour ranges via the KEIM Lokale Farbwerkstatt® using KEIM PPF-Technologie®. Please always check the colour shade for accuracy before application. Only use colour shades from a single tinting batch within a single surface area.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be load-bearing, sound, dry, clean and free from dust and grease. Coatings with KEIM Innotop generally do not require any pre-treatment. Sanding and highly absorbent substrates are pre-treated with KEIM Soliprim or KEIM Spezial-Fixativ. In difficult light conditions (glancing light), a primer coat of KEIM Innoprim or a pre-primer of KEIM Soliprim optimises surface homogeneity and extends the open time of subsequent coats. It is important to ensure that the substrate is properly prepared, that suitable tools are used and that extra care is taken during application.

Non-suitable substrates:
substrates with salt efflorescences; lacquered surfaces; wood substrates

APPLICATION CONDITIONS:
The air and substrate temperature during application and drying must be ≥ 5 °C.

MATERIAL PREPARATION:
KEIM Innotop must be stirred thoroughly before application.

CONSUMPTION:
approx. 125 - 150 mL/m^2 for a single coating.
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
KEIM Innotop can be painted, rolled or airless sprayed (nozzle ≥ 423).
Primer coat: Apply KEIM Innotop undiluted or diluted with max. 10 % of water.
Final coat: Apply KEIM Innotop undiluted.

TOP COAT:

PAINT STRUCTURE:

DRYING TIME:
Can be overcoated after 6 hours at the earliest (at 23°C and 50% RH). At higher relative humidity, greater layer thicknesses or lower temperatures, the drying time is extended accordingly.

CLEANING OF TOOLS:
Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
12.5	L	32	bucket
5	L	70	bucket
2.5	L	80	bucket

6. STORAGE

Maximum storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed. protected from heat and direct sun.

7. DISPOSAL

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

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet. EU limit value for this product (Cat. A/a): 30 g/l.
This product contains: 0 - 1 g/l VOC. The paint is formulated without the addition of preservatives. For medium and intense colours, traces of pot preservatives may be added to the paint.

GIS code: BSW 10

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external additives is not permitted.

10. CERTIFICATES & QUALITY SEALS

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.

KEIMFARBEN GMBH
Keimstraße 16 / 86420 Diedorf / Tel. +49 821 4802-0
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 35456 676-0
www.keim.com / info@keimfarben.de