



TECHNICAL DATA SHEET

KEIM MYCAL®-TOP

1. PRODUCT DESCRIPTION

KEIM Mycal-Top is a highly specialised silicate paint for interior use in accordance with DIN EN 13 300 (also meets the requirements of DIN 18363 para. 2.4.1, dispersion silicate paint) for rooms at risk of and infested with mould. KEIM Mycal-Top combines different effective approaches against mould infestation: The enormous diffusion openness and moisture-regulating properties of Mycal-Top reduce the surface moisture on walls and thus minimise one of the main prerequisites for the development of microbial infestation. The high alkalinity of the paint also has a mould-inhibiting effect. The inorganic structure demonstrably offers mould no nutrient base (according to expert opinion). In addition, Mycal-Top has a pollutant-reducing effect due to photocatalytically active pigments. KEIM Mycal-Top is awarded with the Cradle to Cradle Certified®-Certificate Silver and the C2C Certified Material Health Certificate™ Gold.

2. FIELD OF APPLICATION

KEIM Mycal-Top is particularly suitable for high-quality, opaque interior coatings in rooms with an increased risk of mould infestation. In addition, Mycal-Top is used as part of the Mycal mould remediation system for the renovation of mould-contaminated surfaces. Suitable substrates are all mineral plasters, concrete, gypsum plasterboard, glass fabric as well as sound old coatings. Highly absorbent or sanding substrates are pre-treated with KEIM Mycal-Fix. An undiluted first coat of KEIM Gundierweiss (priming white) is beneficial on gypsum board; it is mandatory for coloured coats on gypsum board. Gypsum stain fillers must be avoided. It is recommended to apply spot fillers with KEIM Dolomitspachtel (dolomitic filler).

Not suitable for:
wood substrates; lacquered surfaces; substrates with salt efflorescences

3. PRODUCT PROPERTIES

- easy to rework
- good covering power
- with photocatalytic effect: breaks down organic substances and therefore reduces the nutrient base for mould
- suitable for allergy sufferers
- suitable for food products
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- highly permeable
- mould-resistant (resistant against fungal infestation, according to test certificate)
- scrub-resistant
- disinfectant-resistant
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- no fungicides added
- no solvents added
- no plasticisers added

MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.7 g/cm³
- Organic content: < 5 %
- pH value: approx. 11

CLASSIFICATION:

- Classification according to: DIN EN 13300

TECHNICAL DATA SHEET – KEIM MYCAL®-TOP

- Classification according to VOB:	Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value):	< 0,01 m
- Test standard Diffusion equivalent air layer thickness:	DIN EN ISO 7783
- Wet abrasion resistance:	Class 1
- Test standard Wet Abrasion Resistance:	EN ISO 11998
- Contrast ratio (covering power):	Class 1
- Ergiebigkeit zum Kontrastverhältnis (Deckvermögen):	4.5 m ² /l
- Test standard Hiding power:	ISO 6504-3
- Gloss level at 85°:	dull matt
- Test standard Gloss level:	ISO 2813
- Maximum particle size:	fine
- Test standard Maximum particle size:	EN 1524

COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. Not available in full-tone colours. Tinting with KEIM colour concentrates.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

Highly absorbent or sanding substrates are pre-treated with KEIM Mycal-Fix.

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be ≥ 5 °C.

PREPARATION OF MATERIAL:

Stir up KEIM Mycal-Top thoroughly before application.

APPLICATION:

KEIM Mycal-Top can be painted, rolled or airless sprayed (nozzle ≥ 423).

Primer coat: Apply KEIM Mycal-Top undiluted or diluted with max. 10 % of Spezial-Fixativ.

Final coat: Apply KEIM Mycal-Top undiluted.

DRYING TIME:

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

CONSUMPTION:

approx. 0,125 l/m² for a single coating.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
15	l	24	bucket
5	l	70	bucket

TECHNICAL DATA SHEET – KEIM MYCAL®-TOP

Container content	Unit of measure	Quantity on pallet	Type of container
2.5	l	80	bucket

6. STORAGE

max. 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.

EC WASTE CODE:

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet..

The paint is formulated without the addition of preservatives. Medium and intensive colour shades may contain traces of pot preservatives.

9. GENERAL INFORMATION

Note: Sustainable mould remediation always involves eliminating the cause and repairing the damage. Infested surfaces or building components that are larger than 0.5 m² or that are not only superficially infested must be replaced and not treated. In general, the recommendations for action in the "Guidelines for the Prevention, Detection and Remediation of Mould Infestation in Buildings" from the Federal Environment Agency must be observed.

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

10. CERTIFICATES & QUALITY SEALS



TECHNICAL DATA SHEET – KEIM MYCAL®-TOP



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 / Fax +49 821 4802-210
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 35456 676-0 / Fax +49 35456 676-38
www.keim.com / info@keimfarben.de