



## TECHNICAL DATA SHEET

# KEIM MYCAL<sup>®</sup>-TOP

### 1. PRODUCT DESCRIPTION

KEIM Mycal-Top is a highly specialised silicate paint for interior according to DIN EN 13 300 (also meets requirements according to DIN 18363 sect. 2.4.1, silicate emulsion paint) for mould endangered and contaminated rooms. Mycal-Top combines different effect approaches against mould contamination: The enormous diffusion potential and the humidity regulating properties of Mycal-Top reduce the surface dampness on walls and minimize one of the main preconditions for the development of microbial contamination. The high alkalinity of the paint additionally hinders mould growth. The inorganic structure demonstrably does not offer mould a nutrient base (according to expertise). Furthermore, Mycal-Top features disinfecting properties through the addition of a naturally antimicrobially acting mineral and also has a contaminant degrading effect through photocatalytically active pigments.

### 2. FIELD OF APPLICATION

KEIM Mycal-Top is especially suited for high-quality, covering painting in interior rooms having an increased risk of mould contamination. Furthermore, Mycal-Top serves as a basis for the renovation of mould contaminated surfaces within the framework of Mycal mould sanitation systems. Suitable substrates are all mineral plasters, concrete, gypsum, glass fabrics, and sound old coatings. Strongly absorbing or sanding substrates are pretreated with KEIM Mycal-Fix. An undiluted first coating with KEIM Grundierweiß (priming white) is advantageous on gypsum; in case of coloured coatings it is absolutely necessary. Filling of gypsum spots should be avoided. It is recommendable to perform spot fillings with KEIM Dolomitspachtel. Surfaces with salt efflorescence, varnishes and wood are unsuitable.

### 3. PRODUCT PROPERTIES

- Highly diffusible and humidity regulating
- Disinfecting effect through the addition of a naturally antimicrobially acting mineral
- Hinders mould growth (resistant against fungal contamination according to test certificate)
- Without addition of fungicides
- With photocatalytic effect:  
Degrades organic substances and therefore reduces the nutrient basis for mould
- Resistant against extreme mechanical stress, highly abrasion-resistant

- Resistant to disinfectants
- Without addition of solvents
- Free of plasticizer and fogging-active substances
- Recommendable with regard to Indoor Environmental Medicine and Health aspects, excellent room air hygiene properties, "suitable for allergy sufferers" (according to test certificate)
- Unobjectionable to food (according to test certificate)
- Easy to rework
- High covering power
- Non-flammable (class A2-s1,d0 as per EN 13501-1, acc. to classification report)

#### Material characteristics:

- pH-value: approx. 11
- Organic content: < 5%
- Spec. weight: approx. 1.5 - 1.7g/cm<sup>3</sup>
- Diffusion equivalent air layer thickness:  $s_d < 0.01\text{ m}$   
(according to DIN EN ISO 7783-2)

#### Classification according to DIN EN 13300:

- Degree of gloss at 85°: dull matt  
(according to ISO 2813)
- Max. grain size: fine  
(according to EN 21524)
- Contrast ratio (covering power) (at a coverage of 4.5m<sup>2</sup>/l): class 1  
(according to ISO 6504-3)
- Wet abrasion resistance: class 1 according to expertise  
(according to EN ISO 11998)

#### Colour shade:

White and KEIM Palette exclusiv.

Not available in full colours.

Tinting with KEIM paint concentrates.

### 4. APPLICATION INSTRUCTIONS

#### Application temperature:

Air und substrate temperature should not be below +5°C.

#### Substrate preparation:

Strongly absorbing or sanding substrates are pretreated with KEIM Mycal-Fix.



### Application:

KEIM Mycal-Top can be painted, rolled or sprayed (nozzle: 0.64 mm or 0.025 inch; see technical data sheet "Airless technique" for further information). Depending on drying progress an interval of min. 6 hours has to be observed between base and top coat. Base coat: KEIM Mycal-Top diluted with max 10% KEIM Spezial-Fixativ. Top coat: KEIM Mycal-Top undiluted.

### Please note:

A sustainable mould remediation always implies the elimination of causes and the removal of damage. Contaminated surfaces and structural elements larger than 0.5 m<sup>2</sup> or those not only contaminated on the surface have to be replaced instead of treated. The recommendations of the "Leitfaden zur Vorbeugung, Untersuchung, Bewertung und Sanierung von Schimmelpilzwachstum in Innenräumen" (Guidelines for the Prevention, Examination, Evaluation and Remediation of Mould Growth in Interior Rooms) of the Federal Environmental Agency and/or the "Handlungsempfehlung für die Sanierung von mit Schimmelpilzen befallenen Innenräumen" (Recommendations for the Remediation of Interior Rooms Contaminated with Mould) of the Public Health Authority of the State of Baden-Württemberg should generally be followed.

### Consumption:

(when applied twice)

approx. 0.25 l/m<sup>2</sup> KEIM Mycal-Top

approx. 0.02 l/m<sup>2</sup> KEIM Spezial-Fixativ

The stated consumption figures are reference values. Exact consumption values can only be determined by applying to sample areas of the object to be coated.

### Cleaning of tools:

With water immediately after use.

## 5. PACKAGING

5 l and 15 l containers

## 6. STORAGE

Shelf life is approx. 12 months in sealed containers under cool, but frost-free conditions. Protect from heat and direct sunlight.

## 7. DISPOSAL

EC Waste Code No. 08 01 12.

Any residues must be emptied out of containers before recycling.

## 8. SAFETY INSTRUCTIONS

Gisbau Product-Code/ Giscode: M-SK 01

Provide appropriate protection for surfaces which are not to be coated especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Do not eat, drink or smoke during application.

Keep out of reach of children. Ensure good ventilation during application and drying

Please refer to EC Safety Data Sheet.

## 9. 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 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.



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