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 KEIM 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, photocatalytically active pigments in KEIM Mycal-Top are able to reduce harmful gases and odour molecules. KEIM Mycal-Top 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 Mycal-Top is particularly suitable for high-quality, opaque interior coatings in rooms with an increased risk of mould infestation. In addition, KEIM 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. It is recommended to apply spot fillers with KEIM Dolomitspachtel (dolomitic filler).

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)
- QNG compliant
- suitable for allergy sufferers
- good covering power
- permeable
- easy to rework
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- mould-resistant (resistant against fungal infestation, according to test certificate)
- scrub-resistant
- disinfectant-resistant
- no fungicides added
- no solvents added
- no plasticisers added

MATERIAL CHARACTERISTICS:

– Density	approx. 1.5 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
– 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 1
– Standard Wet Abrasion Resistance	EN ISO 11998
– Covering power (Contrast ratio)	H10-Class 1
– Yield of covering capacity (contrast ratio)	4.5 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

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be load-bearing, sound, dry, clean and free from dust and grease. Highly absorbent or sanding substrates are pre-treated with KEIM Mycal-Fix.

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

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

MATERIAL PREPARATION:
KEIM Mycal-Top must be stirred thoroughly before application.

CONSUMPTION:
approx. 0,125 L/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 Mycal-Top can be painted, rolled or airless sprayed (nozzle ≥ 423).
Primer coat: Apply KEIM Mycal-Top undiluted or diluted with max. 10 % KEIM Spezial-Fixativ.
Final coat: Apply KEIM Mycal-Top 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 40

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 m^2 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, 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.

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