

KEIM ECOSIL[®] -ME

Silicate based, high quality universal interior paint

October 2024

PRODUCT:

Keim Ecosil-ME is a highly durable, universal silicate paint for interior use according to DIN EN 13 300 (also complied with the requirements of DIN 18363 para. 2.4.1, dispersion silicate paint) with pollutant-reducing and odour-neutralising properties. KEIM Ecosil-ME is awarded with Cradle to Cradle Certified[®] Silver and C2C Certified Material Health Certificate[™] Gold.

FIELD OF APPLICATION:

Keim Ecosil-ME is particularly suitable for interior wall and ceiling surfaces in heavily frequented areas such as public buildings, hospitals, schools, office areas, restaurants, hotels and for rooms where food is stored. 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 Soliprim. KEIM GW-Primer is recommended as a first coat to equalize different absorbencies and on gypsum plasterboard. For coloured coats on gypsum plasterboard surfaces and substrates with gypsum stain filler, an undiluted first coat of KEIM GW-Primer is essential (alternative coating build-up for particularly intensive colour shades on gypsum plasterboard and substrates with gypsum stain filler, two coats of Keim Optil). KEIM GW-Primer should not be used on pure gypsum plasters (P IV a,b and P Va).

Not suitable for:

- Wood substrates
- Lacquered surfaces
- Substrates with salt efflorescence

PACKAGING:

| Container content | Unit of measure | Quantity on pallet | Type of container |
|-------------------|-----------------|--------------------|-------------------|
| 12.5 | L | 32 | Bucket |
| 5 | L | 70 | Bucket |

COLOURS:

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

PROPERTIES:

- Easy to rework
- Good covering power
- C2C Certified Material Health Certificate[™] Gold
- Cradle to Cradle Certified[®]-Certificate Silver
- Suitable for allergy sufferers
- Suitable for food products
- With photocatalytic effect (test report): turns corrosive gases and odours into non-critical substances like carbon-dioxide and water
- 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 solvents added
- No plasticisers added
- No preservatives added

TECHNICAL DATA:

| Material Characteristics | Keim Ecosil-ME |
|--------------------------|-----------------------------------|
| Density | approx. 1.4-1.7 g/cm ³ |
| Organic content | < 5% |
| pH value | approx. 11 |

KEIM ECOSIL[®] -ME

Silicate based, high quality universal interior paint

October 2024

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 | DIN EN ISO 7783 |
| Wet abrasion resistance | Class 1 |
| Test standard wet abrasion resistance EN ISO 11998 | EN ISO 11998 |
| Contrast ratio (covering power) | Class 1 |
| Yield of contrast ratio (covering capacity) | 6.5 m ² /L |
| Standard hiding power ISO 6504-3 | ISO 6504-3 |
| Gloss level at 85° | Dull matt |
| Standard gloss level ISO 2813 | ISO 2813 |
| Maximum particle size | Fine |
| Standard maximum particle size EN 1524 | EN 1524 |

APPLICATION INSTRUCTIONS:

SUBSTRATE PREPARATION:

Optimisation of the surface homogeneity of the subsequent coats, especially under difficult lighting conditions, can be achieved by pre-treatment with KEIM Soliprim. In case of glancing light conditions, ensure adequate substrate preparation, suitable tools and increased care during application.

APPLICATION CONDITIONS:

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

PREPARATION OF MATERIAL:

Stir up KEIM Ecosil-ME thoroughly before application.

CONSUMPTION:

Approx. 0.25 L/m² for two coats.

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

APPLICATION:

KEIM Ecosil-ME can be brushed, rolled or sprayed (nozzle ≥ 423)

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

Final coat: Apply KEIM Ecosil-ME 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.

CLEANING OF TOOLS:

Clean immediately with water.

KEIM ECOSIL® -ME

Silicate based, high quality universal interior paint

October 2024

STORAGE:

Maximum 12 months, in cool, frost-free conditions. Keep container tightly sealed, protected from heat and direct sun.

HEALTH AND SAFETY:

Please refer to the Safety Data Sheet. EU limit value for this product (at. A/a): 30 g/l.

This product contains: 0-1g/l VOC..

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

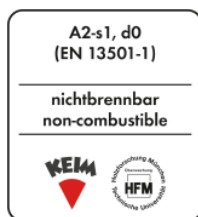
Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

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

DISPOSAL:

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

CERTIFICATES AND QUALITY SEALS:



WARNINGS AND BANS:

| | |
|--|----|
| Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004? | No |
|--|----|

MANUFACTURERS CONTACT DETAILS:

| | |
|--|------------------------------|
| Manufacture location | Germany |
| Legal and trading name of manufacturer | KEIMFARBEN GMBH |
| Manufacturer address for service | 86420 Diedorf, Keimstraße 16 |
| Manufacturer website | www.keim.com |
| Manufacturer email | info@keimfarben.de |
| Manufacturer phone number | +49 821 4802-0 |