

Keim Ecosil®

VOC <1g/l

High Quality, Silicate-based exterior paint in accordance DIN 18 363 2.4.1

Product description

Keim Ecosil is a heavy duty, multipurpose interior silicate paint to DIN EN 13 300 (it also meets the requirements of DIN 18 363, 2.4.1 emulsion silicate paint).

Field Of Application

Keim Ecosil is particularly suitable for interior walls and ceilings in heavily used areas such as public buildings, hospitals, schools, offices, wet rooms and food storage areas.

Suitable substrates include all mineral renders, concrete, plasterboard, glass fibre fabric and sound existing coatings.

Highly absorbent or dusting substrates are pretreated with Keim Spezial-Fixativ/ Keim Soliprim. Keim Grundierweiß may advantageously be applied as a first coat in order to equalize differing levels of absorbency and on plasterboard. When applying coloured finishes onto plasterboard surfaces and substrates spot-filled with plaster, an undiluted first coat of Keim Grundierweiß is absolutely essential (as an alternative coating structure for coloured finishes on plasterboard and substrates spot-filled with plaster: two coats of Keim Ecosil GS). Keim Grundierweiß should not be used on pure gypsum plaster renders (P IV a,b and P V a). Keim Ecosil is not suitable for surfaces with salt efflorescence, on wood and enamels.

Product Properties



- Can be exposed to extreme mechanical loads
- Resistant to disinfectants
- Suitable for allergy sufferers (according to test certificate)
- No solvents added
- Zero plasterciser content
- Safe for foodstuff applications (according to test certificate)
- Easy to touch up
- Elevated hiding power
- non flammable (similar to DIN 4102 building material class A2)
- hinders mould growth, due to mineral alkaline nature

Packaging:

5kg and 15kg containers

Material Characteristics

- org content: < 5%
- specific weight: approx. 1.55g/cm³
- diffusion-equivalent
- air-layer thickness: $s_d \leq 0.01$ m (FPL report) (to DIN EN ISO 7783-2)

Classification according to DIN EN 13300

- gloss at 85° (to ISO 2813): dull matt
- maximum grain size (to EN 21524): fine
- contrast ratio (hiding power) (to ISO 6504-3) (at a yield of 5 m²/l): class 1
- wet abrasion resistance (to EN ISO 11998): class 2 ("abrasion resistant" to DIN 53778)

Colour Shade:

White and Keim's Palette Exclusiv range. Not available in full tone colours. Tint only with Keim colour concentrates.

Application Instructions:

Application temperature:

Ambient and substrate temperature must not fall below +5°C.

Substrate preparation:

Highly absorbent or dusting substrates are pretreated with Keim Spezial-Fixativ/ Keim Soliprim.

Application:

Keim Ecosil may be applied by brush, roller or spraying (0.79mm nozzle). Depending on how drying is progressing, an interval of at least 6 hours should generally be observed between the priming and final coat.

Priming coat: dilute Keim Ecosil with at most 10% Keim Spezial-Fixativ.

Final coat: Keim Ecosil undiluted.

Consumption:

For a two coat application:
approx. 0.3l/m² Keim Ecosil

Approx. 0.02l/m³ Keim Spezial Fixativ

The stated consumption figures are for guidance. Exact values can only be determined by painting test areas on the structure to be coated.



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PRODUCT
DATA
SHEET

Storage:

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

Hazardous substances ordinance class

Not applicable

Transport Hazardous class

Not applicable

Disposal

EC Waste Code no. 08 01 12

Any residues must be emptied out of containers before recycling.

Safety Instructions:

Cover areas which are not to be coated, especially glass, natural stone, ceramics. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with water. Protect the eyes and skin from splashes of paint. Keep out of reach of children.

Product code: M-SK 01

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