



KEIM Optil®-Grob

Filling silica-sol interior paint

1. Product description

KEIM Optil-Grob is a ready-to-use, filling silica-sol interior paint manufactured in accordance with DIN EN 13 300 (also complies with DIN 18 363, 2.4.1 silicate emulsion paint).

2. Field of application

KEIM Optil-Grob may be used to provide filling or slightly granular coats on any conventional interior wall and ceiling surfaces. KEIM Optil and KEIM Optil-Grob are particularly suitable for demanding interior designs with specific requirements for color intensity and appearance in prestigious architecture and/or difficult lighting conditions. Surfaces with salt efflorescence, enamels, wood and plastic wall coverings are not suitable.

3. Product properties

- intense and lightfast color shades
- optimized for application in areas with glancing light
- outstanding hiding power
- economic consumption
- highly vapor permeable
- non-flammable
- resistant to mould growth
- low stress
- low environmental impact

Material characteristic

- Org. content: < 5%
- Specific weight: approx. 1.6 g/cm³
- pH value: approx. 11
- Diffusion-equivalent air-layer thickness: $sd < 0.01 \text{ m}$
(Corresponds to water vapor diffusion density:) $V > 2000 \text{ g/m}^2\text{d}$

Color shade

White and KEIM's standard range only. Additionally available in 11 monochrome shades and in the shades of KEIM's "Avantgarde" color swatch. Note: The Optil-Grob monochrome shade 9019 cinnabar red can only be produced with an organic pigment. The grade of pigment used has very good light-

fastness. Optil-Grob is not available in gold and silver color shades.

Tint only with KEIM Optil-Grob monochrome shades. Optil should in principle be factory tinted.

4. Application instructions

Substrate preparation and application

The substrate must be sound, solid, dry, clean and free of dust and grease. Substrate and air temperature during application and drying > 5°C.

No pretreatment is necessary for gypsum based fillers.

In the case of glancing light conditions, the substrate must be appropriately prepared, suitable tools must be used and greater care must be taken with application.

KEIM Optil-Grob can be mixed in any ratio with KEIM Optil. KEIM Optil-Grob may be applied both as a priming coat and as a finishing coat.

KEIM Optil-Grob may be applied by brush or roller. The product should, in principle, only be diluted with water.

Priming coat:

Dilute 10 l of KEIM Optil-Grob with 1.0 l of clean water.

Finishing coat:

KEIM Optil or KEIM Optil-Grob undiluted.

Drying times

A drying time of at least 12 hours must be left between coats.

Consumption

On a smooth substrate, approx. 0.15 l of KEIM Optil-Grob per m² and application, highly dependent on the substrate and type of application; determine actual consumption by applying to trial areas.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

5 l and 15 l buckets.



6. Storage

12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sunlight.

7. Hazardous Substances Ordinance class

n/a.

8. Transport hazard class

n/a.

9. Disposal

EC Waste Code no. 08 01 12

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.) .

Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Product code: M-SK 01

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