



TECHNICAL DATA SHEET

KEIM OPTIL[®]-GROB

1. PRODUCT DESCRIPTION

KEIM Optil-Grob is a ready-to-use, filling sol-silicate interior paint manufactured in accordance with DIN EN 13 300 (also complies with DIN 18363 sect. 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 colour intensity and appearance in prestigious architecture and/or difficult lighting conditions. Surfaces with salt efflorescences, varnishings and wood are not suitable.

3. PRODUCT PROPERTIES

- With MacroFill-technology for maximum light scattering
- Intense and lightfast colour shades
- Ultra matt surface
- Optimised for application in areas with glancing light
- Outstanding hiding power
- Economic consumption
- Highly vapour permeable
- Non-flammable
- Hinders mould growth
- Low-tension
- Ecologically sound
- No preservatives added

Material characteristics:

- Org. content: < 5%
- Specific weight: approx. 1.6 - 1.8 g/cm³
- pH-value: approx. 11
- Diffusion-equivalent air-layer thickness: $s_d < 0.01 \text{ m}$
(Corresponds to water vapour diffusion density:) $V > 2000 \text{ g/m}^2\text{d}$

Colour shades:

White and KEIM's „Palette Exclusiv“ range.
Additionally available in 16 monochrome shades and in the shades of KEIM's „Avantgarde“ colour swatches.
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 lightfastness. Optil-Grob is not available in gold, silver and brilliant white.

Tint only with KEIM Optil-Grob monochrome shades. Optil-Grob should in principle be factory tinted. Texture-dependent colour shade deviations are possible.

For production reasons, the colours of filled paint material are lighter than the original colour.

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.

Optimisation of surface homogeneity of subsequent paint coats, in particular under difficult light conditions, can be achieved by a pretreatment with KEIM Soliprim.

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, roller or airless spraying (nozzle 443; see technical data sheet "Airless technique" for further information). The product should 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

2.5 l, 5 l and 15 l container.

6. STORAGE

12 months in sealed container under cool, 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

Giscode: BSW10

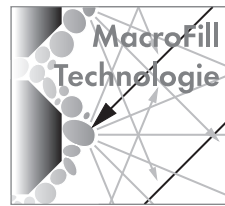
Note:

Mixing with third-party products is not permitted! KEIM Optil-Grob is formulated without the addition of pot preservatives. Medium and intensive colour shades may contain traces of pot preservatives

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.

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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