

KEIM Optil®-Grob Filled silica-sol interior texture paint



1. Product description

KEIM Optil-Grob is a ready-to-use, filled silica-sol interior texture 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, untreated 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 (corresponding to DIN 4102-A2, certified)
- Hinders mould growth
- Low stress
- Low environmental impact
- Vapor permeability, 77 perms according to ASTM E96

Material characteristics

- Org. content: < 5%
- Specific weight: approx. 1.6 g/cm³

- pH-value: approx. 11
- VOC's < 8 g/l
- Diffusion-equivalent air layer thickness: $s_d < 0.01 \text{ m}$
(Corresponds to water vapor diffusion density:) $V > 2000 \text{ g/m}^2\text{d}$

Color shade

White and KEIM's „Palette Exclusiv“ range. Additionally available in 16 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-Grob should in principle be factory tinted. Texture-dependent color shade deviations are possible.

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 $> 5^\circ\text{C}$ (41°F).

No pretreatment is necessary for gypsum based fillers.

Optimization 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 0.94 mm/0.037 in.). The product should, in principle, only be diluted with clean water.

Base coat:

Dilute 10 l (2.6 gal) of KEIM Optil-Grob with 1.0 l (0.26 gal) of clean water.

Top 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 per coat approx. 0.15 l per m² (5 fl oz per 10.8 sq ft) of KEIM Optil-Grob, highly dependent on the substrate and application method; determine actual consumption by applying to trial areas.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

5 l and 15 l (1.3 and 4 gal) 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

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.

