

KEIM Granital®-Grob

Highly filled exterior coating for base and intermediate coats



1. Product description

KEIM Granital-Grob is a highly filled, silicate-based priming paint according to VOB/C DIN 18 363 2.4.1 (silicate emulsion paint) for preliminary coats on difficult substrates. KEIM Granital-Grob fills hairline cracks and equalizes textures. KEIM Granital-Grob contains absolutely lightfast, inorganic pigments and mineral fillers.

2. Field of application

KEIM Granital-Grob is used as a priming coat or priming and intermediate coat in the KEIM Granital system. KEIM Granital-Grob is used on mineral substrates having hairline cracks and/or differences in texture. This product may be used in conjunction with the other components of the coordinated KEIM Granital system to meet the most varied requirements.

KEIM Granital Grob is not to be used as top coat.

3. Product properties

KEIM Granital-Grob is a ready-to-apply, highly filled, silicate based priming paint according to VOB/C DIN 18 363 2.4.1 with a modified potassium silicate binder. KEIM Granital-Grob fills hairline cracks and equalizes differences in texture, is non-yellowing and contains only absolutely lightfast inorganic coloring pigments.

- Non-film-forming
- Non-flammable
- UV-resistant in all components
- Good weathering resistance
- Resistant to industrial fumes and acid rain
- Water-repellent
- Extremely vapor permeable

- Environmentally friendly – neither solvents nor pot preservatives added
- Easily applied thanks to thixotropic formulation

Material characteristics

- Specific weight: approx. 1.60 g/cm³
- Diffusion-equivalent air layer thickness: $s_d \leq 0.01$ m
- Vapor permeability 83 perms
- Light fastness of color pigments: B1
(Fb-Code acc. to BFS technical bulletin No. 26)

4. Application instructions

Substrate preparation

The substrate must be sound, dry, absorbent, clean and free from dust and grease. Loose areas, dirt, oily substances, moss and algae must be completely removed.

Existing film-forming coatings which impede vapor diffusion and/or are not sound must be removed with the paint stripper KEIM Bio Stripper.

Sound existing organic coatings must be primed with KEIM Contact-Plus as bridging coat. Not suitable are plasto-elastic old coatings or coatings susceptible to saponification.

In the case of highly absorbent or sanding substrates, pretreatment with KEIM Fixativ, diluted 1:1 or 1:2 with water or with undiluted KEIM Spezial-Dilution is recommended.

Any sinter layers on new renders should be removed with KEIM Lime Remover according to the manufacturer's instructions. New areas of render (repairs) should generally be pretreated with KEIM Lime Remover as specified in the Technical Data Sheet.



Pretreatment with KEIM Silan-100 is recommended for surfaces exposed to severe moisture or weathering.

Application

KEIM Granital-Grob may be applied by brush, roller or airless spraying (nozzle size 0.94 mm/0.037 in.). Application by brush is best for crack filling as it can be worked into all surfaces well.

Base coat: KEIM Granital-Grob diluted, depending on absorbency of substrate, with up to max. 20% KEIM Fixativ or KEIM Spezial-Dilution (25 kg paint plus max. 5 l dilution)

Top coat: KEIM Granital, undiluted

In the case of major differences in texture and/or numerous hairline cracks, KEIM Contact-Plus should be used as the primer instead of KEIM Granital-Grob.

If the surface is to be subjected to very severe weathering stresses, it is recommended to apply a three-coat system.

KEIM Spezial-Dilution is recommended as a dilution on difficult, poor and/or variably absorbent substrates.

Application conditions

Ambient and substrate temperature > + 5°C (41 °F). Do not apply in direct sunlight or onto sun-heated substrates. Protect coated surfaces from direct sunlight, wind and rain during and after application.

Drying times

A drying time of at least 12 hours must be left between coats. In the case of pretreatment with

KEIM Silan-100, the priming coat should be applied after 4 hours.

Consumption

For two coats of KEIM Granital-Grob and KEIM Granital onto a smooth substrate per m² (10.8 sq ft):

approx. 0.20 kg KEIM Granital-Grob
approx. 0.03 l (1 fl oz) KEIM Fixativ
or KEIM Spezial-Dilution
approx. 0.20 kg KEIM Granital

The stated consumption values are for guidance and depend on the nature of the substrate and the application method. Exact consumption values can only be determined by painting trial areas on the surface to be coated.

Cleaning of tools

Clean with plenty of water immediately after use. During breaks, store tools in the paint or in water.

Third-party additives

In order to preserve the specific characteristics of the Granital system, no other substances may be added.

5. Packaging

5 kg and 25 kg containers

6. Storage

Storage life is approx. 12 months in a sealed container under cool, but 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; wood 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.

