

KEIM GRANITAL-GROB

For masonry and concrete

FEATURES & BENEFITS

KEIM Granital-Grob is a ready-to-apply, coarse, 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, it is non-yellowing and contains only absolutely lightfast inorganic mineral pigments.

- » Non-film-forming
- » Mineral matt finish
- » Non-flammable – will not burn
- » Fills cracks up to 0.3 mm wide
- » All components UV-stable
- » Excellent weathering resistance
- » Resistant to industrial pollutants and acid rain
- » Highly water-repellent
- » Extremely vapour permeable
- » Resistant to fungal and algae growth
- » No solvents
- » LEED - yes
- » Easy application
- » Very durable even in extreme freeze thaw conditions

KEIM Granital-Grob is a coarse textured filling, potassium silicate tinted priming paint complying with VOB/C DIN 18 363 2.4.1 for the base and intermediate coats within the Granital System.

The Granital system is a traditional water-repellent, ready-to-apply historic potassium silicate based exterior paint. It offers water repellency, high vapour permeability and forms a chemical bond with the mineral substrate.

SUBSTRATE PREPARATION

The substrate must be sound, solid, dry, absorbent, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding.

Old oil based coatings, loose substrate layers and organically bound coats must be removed. Repair damaged areas before painting.

KEIM Granital-Grob is used on repaired substrates and also on substrates with textural differences or hairline cracks up to 0.3 mm.

Larger cracks 0.3-0.9 mm or strong differences in texture may require a primer coat with KEIM Contact-Plus (0.3-0.5 mm) or KEIM Contact-Plus- Grob (0.5-0.9 mm).

Before KEIM Granital-Grob is applied, it is recommended that highly absorbent substrates or surfaces exposed to severe moisture or weathering may be treated with a water-repellent substrate treatment using KEIM Silan-100 to enhance waterproofing. A subsequent base coat of KEIM Granital or Granital-Grob must be applied after approx. 4 to 12 hours drying time for KEIM Silan-100.

Soft, porous highly absorbent surfaces or old existing mineral coats may be stabilized by pre- treatment with KEIM Spezial-Dilution.

New mortar or masonry surfaces may require treatment with KEIM Lime Remove before painting if they have a sinter layer.

Surface contaminants should be entirely removed by suitable mechanical and/or chemical means. Old, film-forming coatings which may hinder the vapour diffusion and/or which are not well adhering must be removed with KEIM Bio Stripper (paint stripper) or by mechanical means.

Well adhering old acrylic coatings that will remain on the surface must be coated with KEIM Contact-Plus as primer coat prior to subsequent applications of KEIM Granital-Grob.

Very soft, old and sanding substrates may be consolidated first with a treatment of KEIM Fixativ.



KEIM GRANITAL-GROB

FIELD OF APPLICATION

KEIM Granital-Grob serves as a base and intermediate coat within the KEIM Granital system. In certain cases KEIM Granital-Grob can be used as a bridging coat on previously painted surfaces where most but not all of the old coating can be removed.

It can also be used to fill non-moving hairline cracks up to 0.3 mm and equalize different textures on the facade. KEIM Granital-Grob is particularly suitable for old historic and new surfaces.

Ideal absorbent surfaces include but are not limited to, brick, stucco, historic masonry, stone, lime plasters, mortars, CMU, GFRC, cement boards and renders. In combination with products from the KEIM Granital system a wide variety of application areas are possible. KEIM Granital-Grob cannot be used as a finish coat.

Exceptions not suitable for coating with KEIM Granital-Grob are resin based coatings, plasto-elastomeric coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes).

Optional added water repellency can be added with a treatment of KEIM Silan-100 before the first coat of KEIM Granital-Grob.

KEIM Granital-Grob is not suitable for horizontal and slightly inclined surfaces exposed to weathering or floor surfaces.

USAGE

outdoor / indoor

HAZARDOUS SUBSTANCES ORDINANCE CLASS

n/a

TRANSPORT HAZARD CLASS

n/a

APPLICATION

KEIM Granital-Grob is typically 1 or 2 coats as part of the KEIM Granital system. Apply by brush, roller or airless spraying (nozzle size 0.94 mm/0.037 in.). Application by brush is best for crack filling as material can be worked into all surfaces well.

A minimum drying time of 12 hours between coats is required.

DILUTION

Base coat: KEIM Granital-Grob diluted up to maximum of 20% (25.6 oz/gallon) with KEIM Spezial-Dilution.

Intermediate coat: KEIM Granital-Grob diluted up to maximum of 10% (12.8 oz/gallon) with KEIM Spezial-Dilution.

KEIM Granital-Grob must always be over coated with 1-2 coats of KEIM Granital.

Stir diluted KEIM Granital-Grob before and during application. Neither water nor any other materials may be added. It is important to work wet-on-wet maintaining a wet edge. Work corner to corner or use an architectural feature as a starting and stopping point.

APPLICATION CONDITIONS

From 41°F up to max. 86°F (+5°C-30°C) air and substrate temperature.

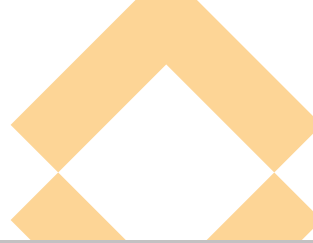
Only apply in dry weather conditions. Do not apply under direct sun or on sun-heated substrates or in strong wind. After application, surfaces must be protected from strong wind and direct sun until dry (3-6 hours) and from rain until they are cured (12-36 hours). Times depend on temperature and humidity.

DRYING TIMES

Dry to touch in 1-3 hours.

For recoating, at least 12 hours between coats.

If a pretreatment of water repellencies was applied allow drying before base coat is applied. Approx. 4-12 hours after KEIM Silan-100.



COLORS FOREVER.

KEIM GRANITAL-GROB

PACKAGING

1 gallon and 4 gallon (packaged in a 5 gal pail)

STORAGE

Shelf life approx. 12 months, if kept cool, but frost-free in tightly closed unopened containers.

Note: Remnants of material from opened containers should be filled in smaller buckets in order to maintain the air content in the bucket at the lowest possible level.

CLEANING OF TOOLS

Clean immediately after use with water.

Mixing with other products

In order to maintain the specific features of KEIM Granital-Grob and the related system products, they may not be mixed with other products or additives nor may they be diluted with water.

STAINING

In order to keep the products characteristics and all other products from it system, it is mandatory to not mix with other product which includes water and other additives.

DISPOSAL

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

CAUTION

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

TECHNICAL DATA

SPECIFIC WEIGHT approx. 1.60 g / cm²

VOCS (WHITE OR TINTED)
ASTM D6886 0 g / L

LIGHT FASTNESS OF COLOUR PIGMENTS A1 (Fb-Code acc. to BFS technical bulletin No. 26)

PH-VALUE approx. 11

WATER VAPOUR

DIN EN 1062-1 diffusion density: $V \geq 2100 \text{ g} / (\text{m}^2 \cdot \text{d})$

DIFFUSION-EQUIVALENT

DIN EN ISO 7783-2 air layer thickness: class I $sd \leq 0.01 \text{ m}$

WATER PERMEABILITY

DIN EN 1062-3 rate: $w < 0.1 \text{ kg} / (\text{m}^2 \cdot \text{h}0.5)$ class III

VAPOUR PERMEABILITY

ASTM E96 80 - 85 perms

NON-FLAMMABLE (DIN 4102-A2 and ASTM E84)

CONSUMPTION

KEIM Granital-Grob 250-300 sq. ft. /gallon

The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting test areas on the structure to be coated using tools and techniques that will be used for the final application.

Note: The contents of this Technical Data Sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product Technical Data Sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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