



TECHNICAL DATA SHEET

KEIM GRANITAL®

1. PRODUCT DESCRIPTION

KEIM Granital is a classic mineral paint system for use on exterior mineral surfaces. Offers water repellency, vapour permeability and forms a chemical crystalline bond with the substrate. KEIM Granital is made using pure inorganic mineral fillers, earth oxide colour pigments and potassium silicate binder.

2. FIELD OF APPLICATION

Exterior mineral paint for all mineral, absorbent surfaces, in particular suitable for both for the renovation of old surfaces and in new construction projects.

3. PRODUCT PROPERTIES

KEIM Granital is a proven extremely long life exterior mineral paint system with excellent covering power, is non fading and contains only lightfast inorganic colour pigments.

- Water vapour permeable
- Colourfast and UV resistant
- Resistant to mould and fungal growth
- Free from solvents, biocides and preservatives
- Incombustible
- Resistant to industrial fumes and acid rain
- Highly water repellent
- Resists fungal and algal growth

Material characteristics

Specific weight: approx. 1.45g/cm³

Colour fastness: A1

Water vapour diffusion density:

$$V \geq 2000\text{g}/(\text{m}^2\text{d})$$

Diffusion-equivalent air-layer thickness:

$$s_d \leq 0.01\text{m}$$

class I

Water permeability rate (24h):

$$w < 0.1\text{ kg}/(\text{m}^2\text{h}^{0.5})$$

class III (< 0.1)

Gloss at 85°:

1.5 (matt)

Colour

White and in accordance with the KEIM Palette Exclusiv swatch.

4. APPLICATION INSTRUCTIONS

Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM Mineral Paints may proceed.

Application

If the substrate is porous we would advise to first coat all surfaces with KEIM Granital Dilution, brush applied and worked well into all surfaces, this will help reduce any high surface porosity and should be left for a minimum period of 12 hours before further decoration.

Onto unpainted surfaces KEIM Granital should be applied as a two coat system, the first coat to be diluted with up to 30% by weight KEIM Granital Dilution and applied by brush or roller, working well into all surfaces. After a minimum period of 12 hours a final coat of KEIM Granital may be applied undiluted.

For previously painted surfaces KEIM Granital Grob diluted with up to 20% by weight KEIM Granital Dilution should be used as a first coat. It is important to point out that when any redecoration is taking place this must be taken back to a natural breakline.

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight

or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

Approx. 0.4 kg/m² KEIM Granital and 0.06lt/m² KEIM Granital Dilution (at 30% KEIM Granital Diution).

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

Cleaning of tools

Clean immediately after use with water.

5. PACKAGING

5 kg & 25 kg containers

6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

7. SAFETY INSTRUCTIONS

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

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.

