



TECHNICAL DATA SHEET

KEIM AQUAROYAL®-MINERALPUTZ

1. PRODUCT DESCRIPTION

KEIM AquaROYAL-Mineralputz is a mineral, hydroactive finishing plaster in the closed AquaROYAL plaster and paint system. KEIM AquaROYAL-Mineralputz is a factory-made dry mortar CR in accordance with DIN EN 998-1.

2. FIELD OF APPLICATION

KEIM AquaROYAL-Mineralputz serves as finishing plaster for AquaROYAL systems according to General construction technique permit / national technical approval: Z-33.43-185; Z-33.4.1-45; Z-33.41-188; Z-33.47-727..

3. PRODUCT PROPERTIES

- excellent application properties
- hydroactive effect for non-toxic algae prevention
- optimised absorption, storage and release of moisture in the AquaROYAL system structure
- highly permeable
- fire behaviour: non-flammable (A1)
- no biocides added

CLASSIFICATION:

- | | |
|--|----------------------------------|
| - Classification according to: | DIN EN 998-1 |
| - Plaster type: | CR |
| - Compressive strength category: | CS II 1,5 -5,0 N/mm ² |
| - Test standard compressive strength: | DIN EN 1015-11 |
| - Adhesive tensile strength: | ≥ 0,08 N/mm ² |
| - Fracture pattern Adhesive tensile strength: | A,B,C |
| - Test standard Adhesive tensile strength: | DIN EN 1015-12 |
| - Water absorption class: | W2 |
| - Test standard Water absorption: | DIN EN 1015-18 |
| - Water vapour diffusion resistance value (μ-value): | ≤ 20 |

COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. KEIM AquaROYAL-Mineralputz Smooth plaster only available in natural white.

COLOUR SWATCHES:

- KEIM Palette Exclusiv

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues and must not be too absorbent.

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APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 5 °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

PREPARATION OF MATERIAL / MIXING & CONVEYING:

Mix KEIM AquaROYAL-Mineralputz with approx. 5.0 - 6.5 l (specification per bag) of clean water with a power stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not remix already stiffened material with water. Application can be performed by hand, via continuous mixer or rendering machine.

APPLICATION:

Apply mixed KEIM AquaROYAL-Mineralputz quickly with suitable tools in uniform layer thickness. To avoid build-up, always work wet-on-wet. Always apply only the same batch no. in one area.

TOP RENDER:

Rough plasters: After applying KEIM AquaROYAL-Mineralputz, the surface must be rubbed down and smoothed with either a plastic or steel trowel.

Smooth plaster: Apply smooth plaster in a layer thickness of approx. 3 mm. Texture or smooth the smooth plaster with a trowel and felt with a fine, soft sponge board after approx. 1 – 3 hours, depending on the weather.

Note: All plasters can also be individually structured instead of being rubbed or felted. Plaster designs such as comb or broom finish should be determined on the basis of sample surfaces. Possible influences on the subsequent colour design or later soiling tendency of the finished surface should be taken into consideration.

AFTERTREATMENT:

KEIM AquaROYAL-Mineralputz must be protected from drying out too quickly due to sun or wind, or kept moist if necessary.

FINISHING:

KEIM AquaROYAL-Mineralputz must always be recoated twice with KEIM AquaROYAL-Color. HBW of the coat ≥ 30 for smooth plaster, ≥ 20 for rough and grooved plaster.

SETTING TIME:

Allow to stand for at least 5 days before painting.

CONSUMPTION:

Rough 2 mm: approx. 2.3 kg/m²

Rough 3 mm: approx. 3.1 kg/m²

Groove 2 mm: approx. 2.6 kg/m²

Groove 3 mm: approx. 3.1 kg/m²

Smooth plaster: approx. 3.5 kg/m² for 3 mm layer thickness

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

CLEANING OF TOOLS:

Clean tools, machines and mixers immediately after use with water. In hardened state only a mechanical removal is possible.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	30	bag

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6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free dry keep container tightly sealed.

7. DISPOSAL

For disposal information refer to section 13 of the safety data sheet.

EC WASTE CODE:

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

9. GENERAL INFORMATION

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

10. 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 the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.