TECHNICAL DATA SHEET

KEIM BRILLANTPUTZ

1. PRODUCT DESCRIPTION

KEIM Brillantputz is a high-quality, mineral-based, thin-layer lightweight plaster and a factory-produced dry mortar of mortar class CR in accordance with DIN EN 998-1. Based on white lime, white cement and high-quality marble aggregates, it is suitable as a finishing coat for KEIM external thermal insulation composite systems and mineral substrates. Available in 2 mm and 3 mm grain sizes as grooved and textured renders, it enables a wide variety of distinctive façade textures.

2. FIELD OF APPLICATION

Top coat for KEIM external thermal insulation composite systems. These ETICS systems have general building authority approval. For fire performance and construction, see General Type Approval / General Building Authority Approval: Z-33.43-185; Z-33.47-727; Z-33.49-1785 (formerly Z-33.4.1-45; Z-33.41-188)

Furthermore, KEIM Brillantputz is also ideally suited as a finishing plaster for all mineral substrates, provided they are level and not too rough.

3. PRODUCT PROPERTIES

- mineral
- permeable
- Optimised machine performance enables high material throughput
- fire behaviour: non-flammable (A1)

CLASSIFICATION:

– Water absorption class	W2
– Standard Water absorption	DIN EN 1015-18
– Thermal conductivity λ10,dry,mat for P=50%	0.45 W/(mK)
– Thermal conductivity λ10,dry,mat for P=90%	0.49 W/(mK)
– Water vapour diffusion resistance value (μ-value)	≤ 20
– Compressive strength category	CS II (1,5 – 5,0 N/mm²)
– Standard compressive strength	DIN EN 1015-11
– Adhesive tensile strength	≥ 0,08 N/mm²
– Standard Adhesive tensile strength	DIN EN 1015-12
– Fracture pattern Adhesive tensile strength	A,B,C
– Classification according to	DIN EN 998-1
– Plaster type	CR

COLOUR SHADES:
White and shades of colour.
Minimum order quantity of tinted material 150 kg.

AVAILABLE COLOUR SWATCHES:
KEIM Palette Exclusiv

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be level, dry, sound, sufficiently absorbent and free from residues that impair adhesion; it must not be excessively absorbent.

APPLICATION CONDITIONS:
Ensure the ambient and substrate temperatures are ≥ 5 °C during application and drying. Do not apply in direct sunlight or onto substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

PREPARATION OF MATERIAL / MIXING & CONVEYING:
KEIM Brillantputz Mix with clean water using a stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not mix material that has already stiffened with water again under any circumstances.
Water quantities:
Smooth plaster: 6.5 – max. 10 litres /25 kg
Rough plaster: approx. 5.8 – max. 8.5 litres /25 kg
Grooved plaster: approx. 5.0 – max 7.5 litres /25 kg

CONSUMPTION:
Rough: 2 mm approx. 2.2 kg/m² / 3 mm approx. 3.0 kg/m² Grooved: 2 mm approx. 2.5 kg/m² / 3 mm approx. 3.0 kg/m²
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

MOISTURE PROTECTION:

TOP COAT:
Rough and grooved plasters: Apply mixed KEIM Brillantputz with a stainless steel trowel to approximately grain thickness. After applying KEIM Brillantputz, the surface must be skimmed and then smoothed using either a plastic or steel trowel.
Smooth plaster: Apply mixed KEIM Brillantputz 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: To avoid build-up, always work through quickly, wet on wet. Always apply only the same batch no. in one area. If possible, the total requirement for one project should be ordered, which can be called off in partial quantities if necessary. 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.

POST-TREATMENT:
KEIM Brillantputz must be protected from excessive water loss due to sun or wind and kept moist if necessary.

FINISHING:
With mineral plasters, slight colour deviations and irregularities may occur due to weathering, which are a product characteristic and are not to be objected to. For aesthetic reasons, at least one coat of an equalising paint must therefore be applied.

CLEANING OF TOOLS:
Clean tools, machines and mixers immediatley 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

6. STORAGE

Maximum storage time	Storage conditions
12 months	dry

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet. Safety instructions DE-UZ 140: Wear protective gloves / protective clothing / eye protection / face protection. / In case of contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. / Immediately seek medical advice / consult a doctor. / Keep children away from fresh plaster. / Protect your skin by wearing long clothing. / Avoid prolonged skin contact with fresh plaster, as this may cause serious skin damage. / It is essential to comply with occupational safety instructions.

GIS code: ZP 1

9. GENERAL INFORMATION

With mineral plasters, slight colour deviations and irregularities may occur due to weathering, which are a product characteristic and are not to be objected to. For aesthetic reasons, at least one coat of an equalising paint must therefore be applied. If possible, the total requirement for one project should be ordered, which can be called off in partial quantities if necessary.

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external additives is not permitted.

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.

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