TECHNICAL DATA SHEET

BRILLANTPUTZ F 1.0

1. PRODUCT DESCRIPTION

KEIM Brillantputz F 1.0 as a high-quality, mineral, thin-layer, lightweight plaster is a factory-produced dry mortar CR according to DIN EN 998-1, based on mineral binders and high-grade fillers.

2. FIELD OF APPLICATION

Top coat for KEIM composite thermal insulation systems. These composite thermal insulation systems have general building authority approval. For fire behaviour 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 F 1.0 is also ideally suited as a finishing plaster for all mineral substrates, provided they are level and not too rough.
Excellent for subsequent glazing.

3. PRODUCT PROPERTIES

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

MATERIAL CHARACTERISTICS:

– Maximum grain size	1.0 mm

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.
Mindestbestellmenge getöntes Material 150 kg.

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:
Mix KEIM Brillantputz F 1.0 with clean water using a mixer until it reaches a stiff, pliable consistency, ensuring there are no lumps, and leave to set briefly. Under no circumstances should material that has already set be remixed with water.
Water quantities: 6.5 – max. 10 litres / 25 kg

CONSUMPTION:
Approx. 3–4 kg/m² applies to a layer thickness of 3 mm
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

TOP COAT:
Apply the mixed KEIM Brillantputz F 1.0 smooth render in a layer approximately 3 mm thick. Texturise the smooth render with a trowel or smooth it off, then, depending on weather conditions, work it in with a fine, soft sponge board after approx. 1–3 hours.
Note: To avoid visible joints, always work quickly, wet-on-wet. Only use the same batch number within a single area. Where possible, order the total quantity required for a project, which can be called off in partial quantities if necessary. All plasters can also be individually textured instead of being rubbed or felted. Plaster finishes such as comb-drawn or broom-finished should be determined using test areas. Consider any potential effects on the subsequent colour scheme or the finished surface's susceptibility to soiling.

POST-TREATMENT:
KEIM Brillantputz F 1.0 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 optical reasons, at least one coat of KEIM 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

SONDERLIEFERFORM (AUF ANFRAGE)

Container content	Unit of measure	Type of container
600	kg	BigBag

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 optical reasons, at least one coat of KEIM 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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