



TECHNICAL DATA SHEET

KEIM STANDARDPUTZ

1. PRODUCT DESCRIPTION

KEIM Standardputz is a normal plaster mortar according to DIN EN 998-1 on the basis of lime cement with low organic additives. KEIM Standardputz corresponds to mortar category CS II, P II according to DIN V 18 550. The combination with KEIM Deckputzen and/or KEIM Silikatfarben (silicate paints) results in a compatible, tested plaster/ paint system.

2. FIELD OF APPLICATION

KEIM Standardputz can be used as a base and top plaster for exterior, interior and wet areas. It is suitable for plastering walls of all kinds with the exception of porous or highly heat-insulating light-weight building materials. Use special wall base plasters for plinth areas.

KEIM Standardputz is excellently machinable and has an outstanding standing power. When using as a top plaster it can be structured in various ways, faded and also felted.

3. PRODUCT PROPERTIES

- Grain size: 0 - 1.3 mm
- Bulk density: 1.45 g/cm³

Material characteristics according to DIN EN 998-1:

- Pressure resistance: 1.5 - 5.0 N/mm², CS II
 - Combustion behaviour: A1
 - Water vapour permeability μ : ≤ 25
 - Water absorption: W2
 - Tensile adhesion strength: ≥ 0.08 N/mm²
(at breaking pattern A, B, C)
 - Thermal conductivity $\lambda_{10, \text{dry, mat}}$:
 - ≤ 0.82 W/(mK) for P = 50%*
 - ≤ 0.89 W/(mK) for P = 90%*
- (* Table values according to EN 1745)

4. APPLICATION INSTRUCTIONS

Substrate preparation:

The substrate must be firm, sound, sufficiently absorbent, clean, free of dust and roughened. The guidelines of DIN V 18550 also apply. Prewet highly absorbing substrates.

Application:

Mix each bag content (25 kg) with approx. 6,8 l (reference value) of clean water. The amount of water to be used has to be chosen so that the fresh mortar is well firm and easy to process. For manual processing small amounts can be mixed with a blunger. KEIM Standardputz can also be processed with any customary fine plaster machines, continuous mixers and similar.

When applying as a base plaster the minimum plaster thickness is 15 mm, when applying as a top plaster it is 5 mm. In case of layer thicknesses of more than 20 mm per layer or other adverse conditions, multilayer processing is recommendable, whereby every preceding layer must be roughened and 1 day standing time has to be observed for each mm plaster thickness.

Create the desired render structure with a trowel. Other structures can be created by sliding felt, sponge or a piece of wood across the surface. Treat the surface without adding water as far as possible. Avoid accumulations of the binder at the surface.

Please note:

Do not overmix material, otherwise there is the risk of a severe decline of firmness. Already set material should not be mixed again.

Application conditions:

From +5°C air- and substrate temperature during application and drying.

Do not process in direct sunlight or on substrates heated by the sun. Protect plaster areas during processing and after application against wind and rain.

Drying time:

1 day per mm of plaster thickness, if another layer of plaster should follow. The top plaster can be coated after 10 days.

Subsequent treatment:

The fresh top plaster coat has to be protected against too fast desiccation and has to be kept moist during the two following days by sprinkling with water if necessary. Interior rooms have to be heated carefully because too fast heating interferes with the hydraulic hardening reactions.

Coating:

KEIM Standardputz as a base plaster:

KEIM Deckputz-historisch is ideally suited as a top plaster. Also KEIM Universalputz, KEIM Universalputz-Fein, KEIM



Brillantputz or KEIM Silikatputz can be applied as a top plaster.

When using KEIM Deckputz historisch, Universalputz, Universalputz-Fein and Silikatputz pretreatment is not necessary. Prior to coating with KEIM Brillantputz, a coat of KEIM Putzgrund must be applied.

KEIM Standardputz as a top plaster:

All KEIM coating systems for interior and exterior use are suitable.

Coating can be performed after 10 days.

Required pretreatment of exterior areas: Etching with KEIM Ätzflüssigkeit, diluted with water in a ratio of 1:3, then rinse with clean water.

Consumption:

Approx. 1.4 kg/m² per mm plaster thickness

As a base plaster:

Approx. 21 kg/m² at 15 mm plaster thickness

As a top plaster:

Approx. 7.0 kg/m² at 5 mm plaster thickness

The stated consumption figures are reference values depending on substrate condition and application method. Exact consumption values can only be determined by applying to sample areas on the object to be coated.

Cleaning of tools:

Clean immediately after use with plenty of water.

5. PACKAGING

25 kg bags

6. STORAGE

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

7. DISPOSAL

EC Waste Code No. 17 01 01

Solidify any residual material with water and dispose of in a building material landfill site. Empty bags should be disposed of in accordance with official regulations.

8. SAFETY INSTRUCTIONS

Giscode: ZP 1

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.

Please refer to EC 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.



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