

# Technical Data Sheet.

## bauprocalc KG - Lime Based Skim Coat

### Product description

Bauprocalc KG is a factory produced hydraulic hardening skim coat plaster based on lime, specially designed for hand and machine application. The product's special composition allows the product to "breathe" and also permits constant hygrometric exchange between the substrate and living environment. The unique properties of this render make it suitable for application on low, medium and high density substrates, for renovation of old and listed building and ecological new builds.

### > Technical data and specifications

Standard	CS I as per DIN EN 998
Yield as per standard	ca. 900 l/t ca. 300 m <sup>2</sup> at 3 mm applied thickness ca. 18 m <sup>2</sup> per 20 kg bag by 1mm applied thickness ca. 6 m <sup>2</sup> per 20 kg bag by 3mm applied thickness
Consumption	ca. 1,1 kg/m <sup>2</sup> per 1 mm applied thickness
Water need	ca. 11 l per 20 kg bag
Compressive strength	≤ 2.0 N/mm <sup>2</sup>
Adhesion	≥ 0,08 N/mm <sup>2</sup> FP A,B or C
Modulus of elasticity	ca. 6 kN/mm <sup>2</sup>
Grain size	0 - 0.1 mm
Water vapour permeability coefficient	μ ≤ 10
Reaction to fire	Building material class A 1, not combustible

### > Logistics and safety notes

Commercial form	bags
Shelf life	bauprocalc KG can be stored in bags in dry and protected conditions for 9 months from the date of production.
Safety notes	See MSDS

> CE-marking



CASEA GmbH  
Pontelstraße 3  
99755 Ellrich  
Germany

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CASEA-114 761  
EN 998-1: 2010  
Skim coat rendering mortar CR

Reaction to fire	A1
Compressive strength	CS I
Water absorption	W0
Water vapour permeability coefficient	$\mu \leq 10$
Adhesion	$\geq 0,08 \text{ N/mm}^2$ FP A,B or C
Thermal conductivity (Tabular value)	$\lambda_{10, \text{dry,mat}} \leq 0,39 \text{ W/(mK)}$ at P=50% $\lambda_{10, \text{dry,mat}} \leq 0,43 \text{ W/(mK)}$ at P=90%
Durability	NPD*
Dangerous Substances	NPD*

\*NPD = No Performance Determined

### Information

This Technical Data sheet is to provide advice to the best of our knowledge and replaces all previous data sheets.

However, its content has no legally binding effect.

### Substrates

bauprocalc KG can be applied to all mineral standard plaster bases. The substrate must be dry, clean, firm and free from release agents. On concrete and smooth / non-absorbent surfaces, we recommend using a mineral adhesive mortar. Lumps has to be closed before skim coat. For application onto absorbant substrates, we recommend universal primer

### Processing and processing time

bauprocalc KG is specially designed for manual processing but it can also be used with all standard plaster machines (such as G 4, G 5, m3, S 48, etc.).

For manual processing bauprocalc KG is blended with an electric mixer and mixed thoroughly for about 5 minutes.

If the substrate is uneven, the recesses must be filled in before. Once it has been applied in a suitable thickness of 1-3 mm, the plaster is levelled, and then, after it has begun to harden a next thin layer has to be applied in a nearly flowing consistency and can stuccoed. The workability time following initial mixing is approximately 1hours. However, the workability time depends on the consistency of the plaster, the ambient temperature and the absorbency of the substrate.

### For further information,

#### please contact:

CASEA GmbH  
Pontelstraße 3  
99755 Ellrich  
Deutschland  
T +49 36332 89-100  
F +49 36332 89-202  
info@casea-gips.de  
casea-gips.de

### Please note

- do not mix in foreign substances
- keep to standard plaster thicknesses
- Do not use at substrate and environmental temperatures below +5°C or above +35°C
- in the case of changes in the material of the substrate, embed a reinforcement
- the generally recognised rules of practice should be taken into account during application
- apply a mineral adhesive mortar in the case of concrete or other substrates with low permeability
- When using the product as undercoat plaster for tiles or heavy coatings, do not smooth or float; instead merely screed vigorously.

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