FASZINATION KALK ...



... SEIT JAHRTAUSENDEN BEWÄHRT ®

### Wer auf die Natur setzt, kann auf uns bauen.

### **Technical Data Sheet**

# **CALCEA**<sup>®</sup>

Spreading rate: as priming plaster of 15 mm

as finishing plaster of 10 mm

Water consumption: approx. 6,5 l each bag

### Composition

CALCEA<sup>®</sup> lime priming plaster is a lime plaster mixed ex works made of natural hydraulic lime acc. to EN 459-1, Puzzolan and grainclassified lime crushed sands.

### Properties

- free of cement
- suitable for allergy sufferers
- highly permeable
- moisture- and climate regulating
- exclusively consists of natural raw materials
- low-tension hardening process
- no mould formation due to high alkalinity

### Application

In the interior and limited exterior (after consultation with a specialist advisor), in particular in biological, ecological building as well as cultural heritage protection. On masonry of all types, concrete and plaster supports. May be used on all suitable substrates in one or several layers. Excellently suitable as priming plaster for CALCEA<sup>®</sup> fine lime plaster, CAREMA<sup>®</sup> lime-clay fine plaster and CALCEA<sup>®</sup> fine lime coat as well as all mineral finish plasters. Also suitable for use in wallheating.

If CALCEA<sup>®</sup> lime priming plaster shall be used in exterior areas, please contact our technical consultants.

### **Plaster substrate**

The plaster substrate must be dry, clean and free from loosely attached particles. Always carry out plaster substrate test according to VOB/C and DIN 18350. Smooth substrates and concrete surfaces must be pre-treated with a suitable bonding bridge. Any surfaces not suitable as plaster substrates must be spanned with plaster supports.

If a bonding improvement or regulating of the absorbency of the substrate will be required, a net-shaped or full-surface preliminary splatter-dash with CALCEA<sup>®</sup> lime bonding plaster must be applied.

### Processing

Process with all commonly used plaster machines or by hand. After absorption, sharply level with metal straight edge or smooth with grated scraper. Waiting period before further coating: per 1 mm layer thickness 1 day at suitable drying conditions. In case of plaster

## **Lime Priming Plaster**

approx. 1.2 m<sup>2</sup> each 25 kg bag approx. 48 m<sup>2</sup> each ton

approx. 1.8 m<sup>2</sup> each 25 kg bag approx. 72 m<sup>2</sup> each ton empohani vom recommender by UBG – Instrut Für UMELT UND GESUNDERT, FULDA (Institut for Environment and Health, Fulda Germany) Switche for allergy sufferers Switche for allergy sufferers

thickness of > 10 mm, it is compulsory to apply several plaster layers with a sufficient waiting period.

### **Special notes**

Protect fresh plaster against fast drying-up. The air and surface temperature must be at least 5 ° C and maximum 25 ° C. CALCEA<sup>®</sup> lime priming plaster shall only be used in the original state without additives.

#### Delivery

25 kg bag Containers

### Storage

Dry, if possible on wooden shelves and protected against draft. Storage time shall not exceed 9 months.

### **Technical data**

Mortar group:	CS I acc. to EN 998-1
	PI acc. to DIN 18550
Fire Class:	A1
Grain size:	0 - 1.2 mm
Solid mortar raw density:	approx. 1.40 kg/dm <sup>3</sup>
Compressive strength 28	approx. 1.1 N/mm <sup>2</sup>
days:	
E-Module:	approx. 1400 N/mm <sup>2</sup>
Water vapour diffusion	
resistance factor μ:	< 8
Water absorption:	W <sub>c</sub> 0
Thermal conductivity:	≤ 0.89 W/(m·K)

### Safety instructions

Mortal will react very alkaline with water, thus:

Protect skin and eyes, rinse thoroughly with water in case of contact, immediately contact doctor in case of eye contact.

### **Quality-monitored production**

CALCEA<sup>®</sup> lime priming plaster is continuously tested in our plant laboratory within the scope of our in-house monitoring with respect to the fulfilment of composition and properties. This will ensure a uniform quality of the product. CALCEA<sup>®</sup> lime priming plaster has the quality certificate "RAL plant dry mortar" and is certified acc. to EN 998-1.

The information supplied in this technical data sheet is based on the know-how gained by our development department and on the collected experience from the field. A liability for the exact validity of the individual data cannot be derived there from, however, because differing processing requirements or processing methods are outside of our scope of influence. With respect to the quality of our products, we refer to the warranty given within the scope of our General terms and conditions. Our field service consultants will be ready to assist you in case of any further questions with respect to the application. We reserve the right to changes improving our products. Version 01-11-2024 (Substitutes all prior versions).

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