FASZINATION KALK ...



... SEIT JAHRTAUSENDEN BEWÄHRT ®

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

IUG - INSTITUT FÜR LT UND GESUNDHEIT, FULD

Allergiker-freundliches Produkt Suitable for allergy sufferers

(Institut for Environment nd Health, Fulda Germany)

# **Technical Data Sheet**

**Lime-Clay Fine Plaster** 

# CAREMA®

**Spreading rate:** 

### with a plaster application of 3 mm approx. 6.75 m<sup>2</sup> each 25 kg bag approx. 270 m<sup>2</sup> each ton

Water consumption: approx. 8 l each bag

#### Composition

CAREMA<sup>\*</sup> lime-clay fine plaster is a plaster mortar mixed ex works made of natural hydraulic lime acc. to EN 459-1, natural construction clay and grainclassified lime crushed sands. It is an ideal combination of the advantages of the natural binders lime and clay.

### Properties

- free of zement
- suitable for allergy sufferers
- highly permeable
- moisture- and climate regulating
- heat storing
- abrasion-resistant
- no mould formation due to high alkalinity
- proven to bind hazardous substances and odours
- low-tension hardening process
- designable in many ways
- exclusively consists of natural raw materials

#### Application

In the interior, especially in ecological-biological building construction and preservation of historic monuments. With a grain size of up to

0.6 mm CAREMA<sup>\*</sup> lime-clay fine plaster is tuned to match our CAREMA<sup>\*</sup> limeclay priming plaster (2-layer plastering system for the interior). CAREMA<sup>\*</sup> lime-clay fine plaster is excellently suitable for coats with CALCEA<sup>\*</sup> lime coating system.

#### **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.

#### Processing

Processing by hand as well as with all common plaster machines. CAREMA\* fine lime plaster is applied with a steel trowel covering the complete surface. The mortar applied can be structured in a fresh condition using a scoop, trowel or spatula or felted or smoothed after absorption.

#### **Special notes**

Protect fresh plaster against fast drying-up. Under no circumstances, carry out artificial drying using gas heaters or fans. The air- and surface temperature must at least amount to 5°C.

 $\mathsf{CAREMA}^*$  lime-clay fine plaster shall only be used in the original state without additives.

#### Delivery

25 kg bag Containers

#### Storage

 $\mathsf{Dr}\gamma,$  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
Fire Class:	A1
Grain size:	0 - 0.6 mm
Solid mortar raw density:	1.50 kg/dm <sup>3</sup>
Compressive strength 28 days:	approx. 0.6 N/mm <sup>2</sup>
E-Module:	approx. 1200 N/mm <sup>2</sup>
Water vapour diffusion resistance	
factor µ:	< 8
Water absorption:	W0
Thermal conductivity:	0.80 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**

CAREMA<sup>\*</sup> lime-clay fine 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. CAREMA<sup>\*</sup> lime-clay fine 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 21.06.2022 (Substitutes all prior versions).