

Wer auf die Natur setzt, kann auf uns bauen.

Technical Data Sheet

HISTOCAL® Historic Pure Lime Plaster CS II

(outside, fine)

Spreading rate: with a plaster application of 10 mm approx. 1.8 m² each 25kg bag

approx. 71 m² each ton

Water consumption: approx. 5,8 l each bag

Composition

HISTOCAL* Historic pure lime plaster CS II (outside, fine) is made of natural hydraulic lime acc. to EN 459-1, Puzzolan and grain-classified lime crushed sands.

Properties

- free of cement
- grading curve according to historic findings
- highly permeable
- moisture- and climate regulating
- exclusively consists of natural raw materials
- low-tension hardening process
- no mould formation due to high alkalinity
- low E-module

Application

For the interior and exterior, in particular for the restoration and preservation of historic monuments. HISTOCAL* Historic pure lime plaster CS II (outside, fine) can be applied in one or several layers onto historic masonry and historic old coatings. Fill joints and stone chunkings with HISTOCAL* Historic pure lime plaster CS II (outside, coarse) and replace any missing stones.

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® Lime bonding plaster must be applied.

A further coating is possible with CALCEA^* Fine lime plaster.

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. Any surfaces not suitable as plaster substrates must be spanned with plaster supports.

Processing

Process with all commonly used plaster machines and mixing pumps or by hand. In case of a conveying and processing with a machine, please contact our technical consultants. After absorption, sharply level with metal straight edge or smooth with grated scraper.

Waiting period before further coating: 1 day for each mm of plaster thickness, with suitable drying conditions.

Special notes

Protect fresh plaster against fast drying-up. The air and surface temperature must be at least 5 $^\circ$ C and maximum 25 $^\circ$ C.

HISTOCAL® Historic pure lime plaster CS II (outside, fine) shall only be used in the original state without additives.

Delivery

25 kg bags containers

Storage

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

Technical data

Mortar group: CS II acc. to EN 998-1 PII acc. to DIN V 18550

Fire Class: A1
Grain size: 0-1.2 mm

Solid mortar raw density: approx.1.5 kg/dm³
Compressive strength 28 days: approx. 1,8 N/mm²
E-Module: approx. 1300 N/mm²

Water steam diffusion resistance

factor μ : < 8 Water absorption: W_c0

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

HISTOCAL* Historic pure lime plaster CS II (outside, fine) 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.

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 11.01.2021 (Substitutes all prior versions).