FASZINATION KALK ...

OTTERBEIN

... SEIT JAHRTAUSENDEN BEWÄHRT®

Technical Data Sheet

HISTOCAL® Historic pure lime plaster CS I (inside, coarse)

Spreading rate:	**with a plaster application of 15 mm**	**approx. 1.1 m² each 25 kg bag** **approx. 46 m² each ton**
Water consumption:	**approx. 4.8 l each bag**	

Composition
HISTOCAL® Historic pure lime plaster CS I (inside, coarse) 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 I (inside, coarse) 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 I (inside, 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 HISTOCAL® HISTOCAL® Historic pure lime plaster CS I (inside, coarse) or with products from the CALCEA® or CAREMA® program.
For exterior applications, we recommend HISTOCAL® Historic pure lime plaster CS II (outside, coarse).
If HISTOCAL® Historic pure lime plaster CSI (inside, coarse) to be used in exterior, contact our expert advisors.

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 ° C and maximum 25 ° C.
HISTOCAL® Historic pure lime plaster CS I (inside, coarse) 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 I acc. to EN 998-1 acc. to DIN V 18550 PI
Fire Class:	A1
Grain size:	0-4.5 mm
Solid mortar raw density:	approx.1.55 kg/dm³
Compressive strength 28 days:	approx. 0,8 N/mm²
E-Module:	approx. 1300 N/mm²
Water steam diffusion resistance factor µ:	< 8
Water absorption:	W0

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 I (inside, coarse) 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.

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