FASZINATION KALK ...



... SEIT JAHRTAUSENDEN BEWÄHRT ®

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

# **Technical Data Sheet**

# Lime-trass render

**Spreading rate:** 

**HISTOCAL®** 

with a plaster application of 15 mm

approx. 1.1  $m^2$  each 25 kg bag approx. 45  $m^2$  each ton

Water consumption: approx. 6 l each bag

# Composition

HISTOCAL<sup>®</sup> Lime-trass render is a factory-mixed lime render made from natural hydraulic lime NHL 2 acc. to EN 459-1, trass powder and grain-graduated crushed lime sands.

## Properties

- free of cement
- minerally
- highly permeable
- moisture- and climate-regulating
- low-tension hardening process
- mould formation prevented by high alkalinity

# Application

For interior and exterior, in building conservation and biologicallyecologically construction in particular. 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\* Fine lime plaster, CAREMA\* Lime-clay fine plaster and CALCEA\* Fine lime coat as well as all mineral finish plasters.

If HISTOCAL<sup>®</sup> Lime-trass render is intended for the use 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 (CALCEA\* Lime bonding plaster as preliminary splatter-dash, CALCEA\* Lime bonding and reinforcing mortar). Any surfaces not suitable as plaster substrates must be spanned with plaster supports. Highly absorbent substrates are well pre-wet according to their absorbency.

# Processing

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

In case of plaster thickness of > 15 mm, it is mandatory to apply several plaster layers with a sufficient drying 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. HISTOCAL<sup> $\circ$ </sup> Lime-trass render must be used only in 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 V 18550
Fire Class:	A1
Grain size:	0 - 1.6 mm
Solid mortar raw density:	1.36 kg/dm <sup>3</sup>
Compressive strength 28 days:	approx. 0.9 N/mm <sup>2</sup>
Young's modulus:	approx. 1400 N/mm <sup>2</sup>
Water vapour diffusion resistance	
factor μ:	< 8
Water absorption:	W <sub>c</sub> 0
Thermal conductivity:	approx. ≤ 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**

HISTOCAL<sup>®</sup> Lime-trass render 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. HISTOCAL<sup>®</sup> Lime-truss render has the "RAL plant dry mortar" quality certificate and is certified 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 23.12.2022 (Supersedes all prior versions).

www. zkw-otterbein.de