

Wer auf die Natur setzt, kann auf uns bauen.

Technical Data Sheet

Injection mortar - M5

HISTOCAL®

Spreading rate: 21 I wet mortar each 25 kg bag

Water consumption: approx. 0.33 l/kg

Composition

HISTOCAL® Injection mortar – M5 consists of natural hydraulic lime NHL 5 acc. to EN 459-1, Puzzolan, grain-classified crushed lime sands and improvement additives.

Properties

- free of cement
- · soft, plastic consistency
- lime-bound
- suitable for pumping
- pressure-stable

Application

HISTOCAL® Injection mortar – M5 is suitable for the filling of cracks and hollow spaces, in particular at historic monuments and for masonry renovation.

Substrate

The substrate must be clean and free from loosely attached particles. A sufficient preliminary wetting is compulsory.

Processing

Mix with stirrer quirl for 5 minutes. After a curing period of 10 minutes, stir up again.

Suitable machines (e.g. spiral- or piston pumps) can be used for the filling or grouting.

Adjust required consistency by way of adding clean water.

We recommend a filling via pipes installed in the wall. Use masonry packers for the grouting.

Control the grouting pressure depending on the stability of the masonry. In order to avoid any over-pressure, use pressure gauges or a bypass for safety reasons.

Special notes

Protect fresh mortar against fast drying-up. The air and surface temperature must be at least 5 $^{\circ}$ C and maximum 25 $^{\circ}$ C. HISTOCAL $^{\circ}$ Injection mortar – M5 shall only be used in the original state without additives.

Delivery

25 kg bag

Storage

Dry, if possible on wooden shelves and protected against draft. Storage time shall not exceed 6 months.

Technical data

Mortar group:

Fire Class:

Compressive strength after 28 d:
expected compressive strength
after 56 d

Solid mortar density:

M5 acc. to EN 998-2
A1
> 5 N/mm²
> 10 N/mm²
1 45 kg/dm³

Solid mortar density: 1.45 kg/dm³. Largest grain size: < 0.7 mm 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 monitoring

HISTOCAL® Injection mortar – M5 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 19.01.2016 (Substitutes all prior versions).