



Technical Data Sheet

HISTOCAL®

Injection mortar - M5

Spreading rate: 21 l 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 ° C and maximum 25 ° C.

HISTOCAL® 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:	M5 acc. to EN 998-2
Fire Class:	A1
Compressive strength after 28 d: expected compressive strength	> 5 N/mm ²
after 56 d	> 10 N/mm ²
Solid mortar density:	1.45 kg/dm ³ .
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.