



## Technical Data Sheet

### HISTOCAL®

## Historic Masonry and Grouting Mortar MG II (fine)

**Spreading rate:** approx. 15 l wet mortar each 25kg bag  
approx. 600 l wet mortar each ton

**Water consumption:** approx. 4.5 l each bag

#### Composition

HISTOCAL® Historic Masonry and Grouting Mortar MG II (fine) consists of natural hydraulic lime NHL 5 acc. to EN 459-1 and grain-classified crushed lime sands.

#### Properties

- free of cement
- grading curve according to historic findings
- high natural water retention properties
- very good side adhesion
- highly permeable
- low-tension hardening process
- low E-module - high elasticity

#### Application

For laying bricks and grouting of historic masonry (e.g. natural stones, bricks). We recommend our HISTOCAL® Historic Masonry- and Grouting Mortar MG IIa in case of buildings subjected to humidity.

#### Substrate

The substrate must be dry, clean and free from loosely attached particles. Sufficiently wet absorbing masonry before.

#### Processing

To be processed with all commonly used mortar mixers (continuous mixer, gravity mixer, blunger) and by hand. Watch for uniform and correct consistency (well earth-moist to plastic).

#### *New construction of masonry:*

For the simultaneous bricklaying and grouting.

#### *Subsequent grouting to renovate existing masonry:*

Scrape out joints and clean.

Working procedure acc. to DIN:

1st working step: first vertical joint, then horizontal joint

2nd working step: first horizontal joint, then vertical joint

Joint finishing through smooth finish or broom finish.

#### After-treatment:

Protect fresh mortar until sufficient hardening (usually several weeks) against premature drying-out through sun radiation and draft (e.g. hinge with jute sheets kept moist or spray with mist nozzles). The mortar must be protected against frost for several weeks until sufficient hardening has been achieved!

#### Special notes

The air and surface temperature must be at least 5 ° C and maximum 25 ° C. HISTOCAL® Historic Masonry and Grouting Mortar MG II (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:	M 2.5 acc. to EN 998-2 NMII acc. to DIN V 18580
Grain size:	0-1.2 mm
Solid mortar raw density:	approx. 1.65 kg/dm³
Compressive strength 28 days:	approx. 3 N/mm²
Flexural strength 28 days:	approx. 1.0 N/mm²
E-Module:	approx. 3.5 kN/mm²
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 Masonry and Grouting Mortar MG II (fine) is continuously tested in our plant laboratory with respect to the fulfilment of composition and properties. This will ensure a uniform quality of the product. HISTOCAL® Historic Masonry and Grouting Mortar MG II (fine) is certified acc. to EN 998-2.