



## Technical Data Sheet

# HISTOCAL®

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

**Spreading rate:** approx. 14.5 l wet mortar each 25 kg bag  
approx. 580 l wet mortar each ton

**Water consumption:** approx. 4 l each bag

### Composition

HISTOCAL® Historic Masonry and Grouting Mortar MG IIa (fine) consists of natural hydraulic lime NHL 5 acc. to EN 459-1, sulphate-resistant cement acc. to DIN 1164 and grain-classified crushed lime sands.

### Properties

- grading curve according to historic findings
- frost-proof
- high natural water retention properties
- very good side adhesion
- permeable
- low-tension hardening process

### Application

For laying bricks and grouting of historic masonry (e.g. natural stones, bricks).

### Substrate

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

### Processing

To be mixed with all commonly used mortar mixers (continuous mixer, gravity mixer, blunger) and by hand. Watch for uniform and correct setting of 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 or sand blasting.

### After-treatment

Protect fresh mortar until sufficient hardening 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 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 IIa (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 5 acc. to EN 998-2 NMIIa acc. to DIN V 18580
Grain size:	0-1.2 mm
Solid mortar raw density:	approx. 1.65 kg/dm <sup>3</sup>
Compressive strength 28 days:	approx. 8 N/mm <sup>2</sup>
Flexural strength 28 days:	approx. 2,0 N/mm <sup>2</sup>
E-Module:	approx. 7,5 kN/mm <sup>2</sup>

### 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 IIa (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 IIa (fine) is certified acc. to EN 998-2.