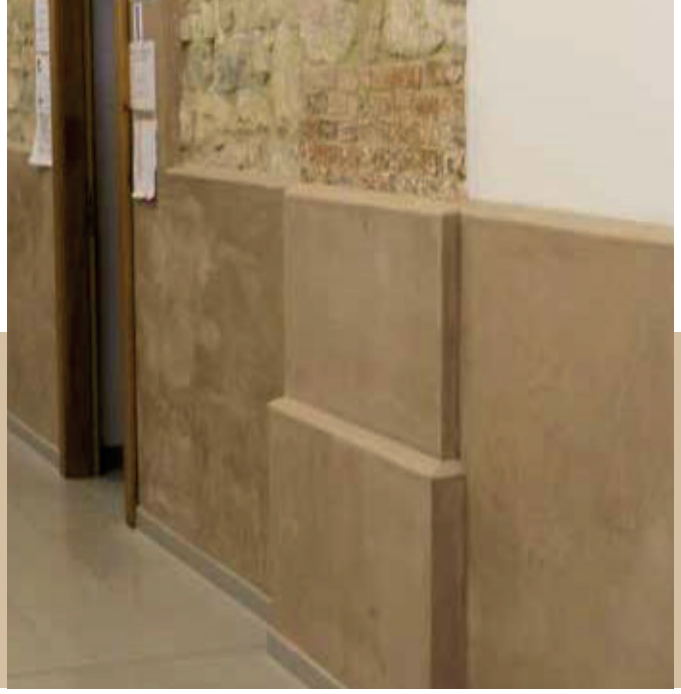
# MX-CP Lime



CE
EN 998-1/2

**Pure natural hydraulic lime (NHL 3.5) based mortar for the structural restoration of masonry**

**MX-CP Lime** is a pure natural hydraulic lime (NHL 3.5) pre-mix mortar for the restoration of masonry, breathable and compatible with any masonry support.
After adding water, the mix is highly adhesive to masonry, tuff, and stone. It is durable, and suitable for repairs and structural plasters. The product is provided in ready-mixed bags: just add water to obtain a mix that can be applied by hand or with traditional plastering machines (e.g. PFT G4). The porosity of the finished product is such as to enable adequate water vapor permeability. The mortar is highly resistant to aggressive agents.

- Ecological
- Vapor permeable
- Easy to install
- Compatible with masonry

## THE PRODUCT:


### MX-CP Lime

Pure natural hydraulic lime (NHL 3.5) based mortar for the structural restoration of masonry, construction of structural plasters, and the preparation of the substrate for the application of structural reinforcements.

**Complies with EN 998-1 and EN 998-2**
MX-CP Lime meets the requirements of the EN 998-1 Standard for internal/external plasters for general use (GP).

Apply in a maximum thickness of 2 cm for a single coat and not less than 5 mm.
Higher thicknesses must be realized in several layers, waiting for the previous layer to dry before applying the next one.

## PROPERTIES

- Highly compatible with historical masonry;
- Eco-friendly hydraulic binder;
- Excellent adherence to masonry;
- High breathability;
- Ease and speed of application and finishing.

## TECHNICAL CHARACTERISTICS

| PROPERTIES OF THE MORTAR | MX-CP Lime |
|---|---|
| Water per 25 kg bag | about 5 liters |
| Format | powder |
| Granulometry | 0-2.5 mm |
| Mineral nature of the aggregate | silicon carbide |
| Density of fresh mortar (EN 1015-6) | approx. 1750 kg/m$^3$ |
| Density of hardened mortar (dry; EN 1015-10) | approx. 1600 kg/m$^3$ |
| Water absorption (EN 1015-18) | W1 |
| Water vapor permeability (EN 1015-19) | $\mu \leq 15$ |
| Thermal conductivity/Density (EN 1745) | ($\lambda_{10,dry}$) 0.67 W/mK (tabulated data) |
| Adhesion to brick support | ≥ 1 N/mm$^2$ |
| Flame resistance (D.M. 10/03/2005) | Euroclass A1 (incombustible) |
| Compressive strength 28 days (EN 998-1 CS IV and 998-2) | > 15 N/mm$^2$ |
| Minimum application thickness | 15 mm |
| Maximum application thickness per layer | 20 mm |
| Application temperature | from +5°C to +35°C |
| Resistance to freezing and thawing (EN 998-1) | NPD |
| **SPECIFICATIONS FOR THE SUPPLY** | |
| Package | 25 kg bags on 1,500 kg pallets |
| Yield | approx. 14.5 Kg/m$^2$/cm of thickness |

## FIELDS OF APPLICATION

- Renovation of degraded walls;
- Structural plasters reinforced with glass or steel fibers for the reinforcement of infill walls;
- Reinforcement of vaults with outer layers reinforced with glass or steel fibers;
- Preparation of the substrate on masonry elements (brick, tuff, stone) for the application of composite structural reinforcements;
- Reconstruction of masonry with the "like for like" replacement technique;
- Consolidation of existing walls with repointing interventions.