

## TECHNICAL DATA SHEET

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# PLM - M

## INJECTION MORTAR FOR THE STRUCTURAL CONSOLIDATION OF MASONRY

### DESCRIPTION

**PLM-M** injection mortar enables to make **consolidation interventions** on **masonry**.

**PLM-M** injection mortar is a compound based on hydraulic binders, free from efflorescing salts and compatible with all types of structures.

Studies carried out in collaboration with the **Department of Materials Engineering of the University of Trento - Italy**, have verified that **PLM-M** injection mortar has the following properties:

- absence of efflorescing soluble salts;
- it is not waterproofing nor water-repellent;
- if possible it does not require the pre-moistening of the support;
- injection easiness.

### APPLICATIONS

Because of its particular properties **PLM-M** injection mortar is suitable for the consolidation of masonry.

### TECHNICAL DATA

- Appearance: white-greyish powder
- Setting time (\*): 12 – 24 hours
- Density (\*): 1.4 kg/dm<sup>3</sup>
- Compressive strength (\*): 46.5 kg/cm<sup>2</sup>

### INSTRUCTIONS FOR USE

Add water to **PLM-M** injection mortar up to a percentage of 70% in weight depending on the desired fluidity.

Mix carefully at a low speed for about 5 minutes till you obtain a homogeneous and liquid mixture.

Filter through metal nets with meshes side of about 1 mm.

Inject with manual syringes or low pressure mechanical systems.

For an optimal application, after having made holes, inject the grout in a continuous way in order to avoid occlusions.

If during the intervention there are prolonged pauses, the compound has to be mixed again.

### YIELD

Variable according to the structural conditions.

### CAUTION

- In order to verify its characteristics, its consolidant effect and the quantity of material to use, it is suggested to carry out preliminary tests on site.
- Use gloves and protective goggles.

### PACKAGING

**PLM-M** injection mortar is available in 1 – 5 – 20 kg drums.

### STORAGE

Twelve months in the original containers tightly closed, out of moisture.

### SPECIFICATIONS

Structural consolidation on masonry by manual injections and/or by low pressure systems of hydraulic binders having low saline contents and suitably combined with additives, such as PLM-M.