

TECHNICAL DATA SHEET

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PLM - S

BINDER FOR GROUTING FRESCOES AND VALUABLE SURFACES

DESCRIPTION

PLM-S grouting binder makes it possible to carry out integrative restoration interventions on works of historical, artistic and monumental interest.

PLM-S grouting binder is a mixture of specific hydraulic acting binders, free of efflorescing salts, with the addition of aerating and plastic shrinkage balancing agents.

The special formulation of the **PLM-S** grouting binder enables grouting of micro and macro cracks, extensive fractures, gaps and missing parts. Studies carried out in collaboration with the **Department of Materials Engineering of the University of Trento - Italy**, have verified the compliance of **PLM-S** grout with the technical requirements of the **Institutes** in charge of the protection and conservation of monumental heritage.

It has been verified that **PLM-S** injection mortar has the following properties:

- absence of efflorescing soluble salts;
- excellent workability;
- no shrinkage when mixed with aggregates in the appropriate proportion;
- maintenance of colour characteristics;
- good adhesion with the substrate.

APPLICATIONS

PLM-S grouting binder is used in combination with selected aggregates for the production of mortars for restoration.

INSTRUCTIONS FOR USE

Add to PLM-S fillers of selected aggregates in a weight ratio of 1 to 3 and water to the desired consistency.

CAUTION

- Use fillers with a suitable grain size, clean and free of any organic material.
- Wet the substrates.
- Knead with the aid of a mixer for at least three minutes to obtain a compound with excellent malleability.
- In cold weather, below 5°C and in the event of overnight frost, avoid processing.
- In hot, dry and/or windy times, protect the mortar from accelerated drying.

PACKAGING

PLM-S grouting binder is available in 1 - 5 - 15 kg drums.

STORAGE

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