



CEMESAN

Special binder for macroporous plaster

DESCRIPTION

A inorganic base binder with special additives for on-site use in the preparation of high-dehumidification capacity, macroporous plasters. The resulting high degree of humidity diffusion makes this an ideal component in mixes used to cover masonry subject to rising capillary and interstitial humidity.

USES

Cemesan binder offers a wide range of applications for restoration and the improvement of existing buildings. This inorganic - binder compound is the ideal product for the treatment of walls masonry, concrete, stones, etc., subject to rising damp and condensation, etc.

ADVANTAGES

Cemesan provides a definitive solution in restorative work also when high levels of concentration of water are found in the masonry treated.

Cemesan is able to expel interstitial humidity, the cause of reduced insulation of masonry.

Cemesan has anti - saline effect, which is effective against medium levels of salinity.

Cemesan has a low level of water absorption.

Cemesan is a convenient choice in economical terms and allows for the preparation of improvement plasters with different aggregates available at site of application.

TECHNICAL DATA

| | |
|--|-------------------------|
| - SP. Gr. of powder | 1.25 g./cm ³ |
| - Sp. Gr. of cured plaster | 1.45 g/cm ³ |
| - Permeability to vapour μ (DIN 56215) | 6 |
| - Thermal conductivity coefficient λ | 0.30 W/mK |
| - Equivalent thickness of air/ 2 cm. thickness of plaster Sd * | 0.13 |
| - Resistance to compressive stress at 28 days (UNI 6134) (W/C ratio 0.6) | 22 - 25 MPa |

*a value much lower than 2 m., the experimental limit value beyond which the surface no longer guarantees transpiration

INSTRUCTIONS FOR USE

Remove the plaster from the wall to be treated, clean thoroughly and dry and then treat with the **AS 100 W** salinity stabilizer, if necessary due to masonry high salt level.

Humidify the supporting surface thoroughly 15 to 20 minutes following application of the **AS 100 W** to determine the appropriate hygrometry grading.

Prepare the surface with a rough coating, preferably using the **CEMESAN** binder itself with a binder/sand weight ratio of 1: 2.5/3.0. The rough coating must be applied loosely to a convenient

thickness, using sand with granular grading of 2.5 - 3.0 mm.

A few hours or one day after application of the rough coating the humidifying plaster can be applied. Mix 1 bag (20kg.) of with 5-6 pails of builder's sand (1 part of Cemesan to 3 parts of sand) and 10-11 litres of water. Use sand with a maximum granular grading of 2 mm. The optimum thickness, which provides the correct degree of dehumidification is 2 cm. Application by hand or by humid spray pump. Finish off with a setting coat, using **CEMESAN FINITURA** or ready - mixed finishing plasters. Transpirant paint should be used to paint the surface with a transpiration coefficient of $\mu < 100$.

YIELD

AS 100 W salinity stabiliser 0.3 - 0.5 kg/m²

CEMESAN one 20 kg. bag for 4 m² to obtain a plaster thickness of approx 2 cm.

COLOUR

Grey

PACKING

20 kg. bags. – Pallet 1000 kg.

CAUTION

The product must not be applied at temperatures below 5°C.

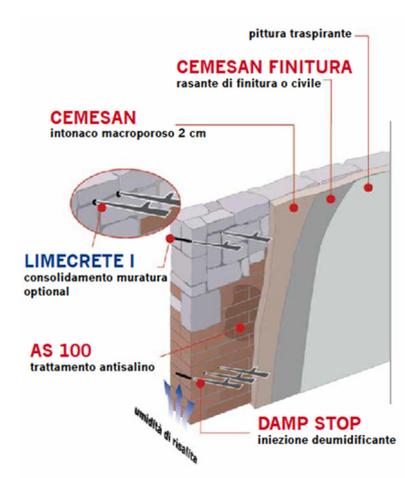
On cold days work in the sunlight and do not apply during the late afternoon or when it is expected that the temperature will fall below 5°C during the following 24 hours.

On hot and/or windy days the plaster must be kept humid - at least for the first 24 hours.

Do not use sea or quarry sand with high saline content.

STORAGE

Shelf - life of at least 12 months when stored in a dry place in the original sealed packaging.



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