

Grants **LEED** credits



BioPOROVENT FONDO

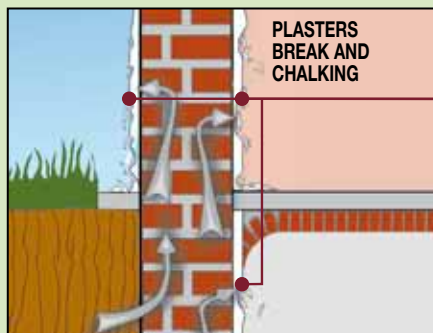
LIQUID ADDITIVE TO BE ADDED TO PLASTER OR MORTAR FOR PREPARING THE ANTI-SALINE GRIPPING BASE PRIMER FOR SILICATE-BASED PAINTS AND COATINGS



CHARACTERISTICS		ENVIRONMENT		METHOD OF USE		PRECAUTIONS
ALLOWS TO BREATHE	WATER BASED	ECO GREEN	RECYCLABLE	MIX MECHANICALLY		KEEP AWAY FROM FROST

PROBLEM

FOR CREATING AN ANTI-SALINE GRIPPING RENDER FOR DEHUMIDIFYING WALLS SUBJECT TO CAPILLARY RISING DAMP



Capillary rising damp is caused by the absorption by capillarity of porous building materials in contact with subsoil water. The effects are devastating: damp walls and crumbly plaster due to the crystallization of the salts transported by water that cause the plaster to break and come detached because of the increase in volume of the salt crystals.

SOLUTION

Damp and its effects make environments unhealthy and unbearable. Capillary rising damp is a problem that frequently affects the walls of old and modern buildings, causing damage to the plaster. The evaporation mechanism focuses on the notable specific surface created by the pores inside the plaster with the use of powder porogene additives while processing the mortar. This condition allows the plaster to let the water from capillary rising damp evaporate more quickly than the humidification speed.

BioPOROVENT FONDO is an additive used to improve the grip of the following layer of macroporous plaster and to put the two systems in contact with each other through suitable capillary netting.

APPLICATION FIELDS

BioPOROVENT FONDO can be applied in all cases where dehumidification of walls affected by capillary rising damp is required and as a primer to uniform the absorption and improve the adhesion of silicate-based paints and coatings such as **BioDECORFINE SIL 500-900**

ADVANTAGES

- Easy to use.
- Reasonable cost.
- Recovery of the natural humidity of the wall within normal environmental levels.
- Excellent resistance to frost-thaw cycles.

METHOD OF USE

• SURFACE PREPARATION

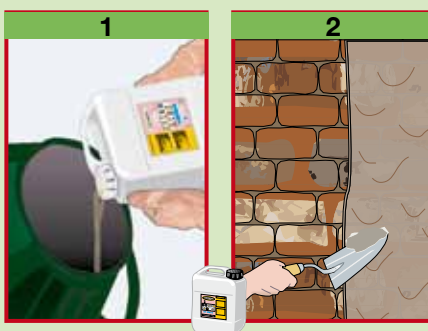
In the event of capillary rising damp, it is advisable to remove the deteriorated plaster at least 1 metre above the maximum level reached by the water over the seasons. Then, the surface should be brushed energetically and then washed with a high pressure water jet cleaner to eliminate dust, dirt, any salts in the wall and crumbly particles between the bricks.

• MIX PREPARATION

Prepare in a cement mixer some semi-liquid mortar made up of 80 litres of sand + ½ bag of hydraulic lime (8 buckets) and ½ bag of cement + 1 litre of **BioPOROVENT FONDO** (1).

• APPLICATION

Apply the mortar obtained as a render (2) with a maximum thickness of 0.5 cm.



COVERAGE

With 1 litre of **BioPOROVENT FONDO** 16 m² of rendering mortar can be carried out 0.5 cm thick. As a primer about 200 g/m².

PRECAUTIONS

- Do not apply the plaster when the room temperature is less than + 5°C during application and for the next 24 hours.
- During the summer season and in a ventilated place, the plastered surfaces must be dampened in order to guarantee perfect hardening.

TECHNICAL CHARACTERISTICS

BioPOROVENT FONDO

Appearance	liquid
Colour	transparent
Specific weight	1.0±0.1 kg/litre
Shelf life in original packaging in a dry place	12 months

SAFETY REGULATION

- While mixing, protect your respiratory tracts with appropriate masks.
- Protect hands and eyes with gloves and goggles.
- Ventilate the workplace adequately.
- In case of eye contact, immediately wash with plenty of water.

PACKAGING

BioPOROVENT FONDO
5 liters can

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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