



GECO ADDITIVE

LIQUID ADDITIVE FOR THE CREATION OF MACROPOROUS DEHUMIDIFYING MORTARS

GECO ADDITIVE
Liquid additive for the creation of macroporous dehumidifying mortars

PRODUCT	Liquid additive for the preparation of dehumidifying and renovating mortars.		
PACKAGING AND STORAGE	· 1 kg bottle. · Box with 10 bottles. · Pallet with 10 boxes. · Store the product in its original packaging, intact and tightly closed. Store in a dry, well-ventilated place, protected from frost and away from heat sources and direct sunlight.		
FIELDS OF APPLICATION	· Dehumidification of masonry affected by rising damp. · High breathability plasters. · Mortars for renovation. · Elimination of surface condensation, mildew and efflorescence.		
ADVANTAGES	· Non-toxic and non-corrosive. · Enables the production of macroporous mortars that considerably increase the evaporation rate of moisture contained in masonry, allowing a high airflow through the plaster. · Can be used with any type of mortar (cement, cement + lime, lime).		
RECOMMENDATIONS	· Mixing and preparation of the mortar: *see pg. 2.* · The plaster mixed with Geco Additive can be applied according to standard application techniques, in two or more coats for greater thicknesses. Any existing plaster must be completely removed, and the masonry must be thoroughly cleaned and washed. · If salts are present in the masonry to be treated, apply the inhibitor Geco Antisalt before applying the plaster. · The porous structure of the resulting mortar allows a smooth and homogeneous surface, which can be covered after 15 - 20 days with lime-based paints or mineral finishes suitable for dehumidification and renovation cycles. · Also add Geco Additive to the mortar used for the finishing coat.		
WARNINGS	Do not apply at temperatures below +5 °C.		
TECHNICAL CHARACTERISTICS	Resistance to water vapour diffusion μ of the mortar mixed with Geco Additive:	10.5	
	Thermal conductivity $\lambda_{10,dry,mat}$ of the mortar mixed with Geco Additive in accordance with UNI EN 1745:	0.53 W/mK	
COMPARISON WITH TRADITIONAL MORTARS	Improvement of the resistance to water vapour diffusion μ compared to traditional mortars, in accordance with UNI EN 1745:	15/35 for mortars with densities of 1600÷2000 kg/m^3	
	Improvement of the thermal insulation level compared to traditional mortars, in accordance with UNI EN 1745:	approx. 35% for mortars with a density of 1800 kg/m^3	approx. 52% for mortars with a density of 2000 kg/m^3

All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this technical data sheet on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV ISO 9001

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GECO ADDITIVE

For **breathable macroporous mortars**

For **renovation cycles**

Easy to mix

LIQUID ADDITIVE FOR THE CREATION OF MACROPOROUS DEHUMIDIFYING MORTARS

Instructions for the preparation of 10 m^2 of dehumidifying plaster with a thickness of 2.0 cm.



1

SOLUTION PREPARATION

In a container with 25 - 30 L of clean water, mix 1 kg (1 bottle) of **Geco Additive**. The amount of water may vary according to the moisture content of the sand used.



2

ADDING THE SOLUTION

Pour the obtained solution (water + **Geco Additive**) into the empty cement mixer.



3

ADDING THE SAND

With the cement mixer running, add approximately 150 L of washed sand and continue mixing.



4

ADDING THE BINDER

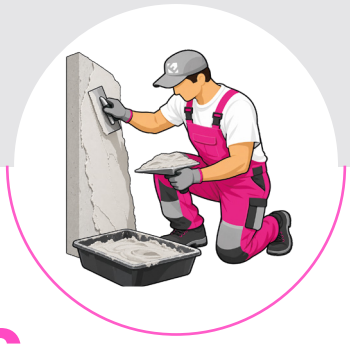
Add 50 kg of hydraulic binder to the cement mixer. *Recommended dosage:* 25 kg cement + 25 kg lime. **Geco Additive** can also be used for mortars made with cement only or lime only.



5

MIXING TIME

Mix for at least 10 minutes. Observing the mixing time is essential to obtain an optimal and effective dehumidifying mortar.



6

PLASTER APPLICATION

Apply the resulting plaster to a thoroughly cleaned wall. Always observe the standard thicknesses for dehumidification cycles. *Example:*
- Min. thickness 2 cm: walls ≤ 25 cm.
- Min. thickness 3.5 cm: walls ≤ 40 cm.

*Alternatively, foam the solution of water and **Geco Additive** in a clean container using an electric drill fitted with deflocculating blades. After a few minutes, the volume may increase to 3 - 4 times its initial volume, especially when using water at a temperature above +15 °C. Then pour the foam into the cement mixer and add the prescribed quantities of binder and sand.*

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