



# CALIBRO PLUS EVAPORATION

## PRODUCT DESCRIPTION

CALIBRO PLUS EVAPORATION is a dehumidifying system formulated to restore plaster on damp walls, both indoors and outdoors.

It is comprised of two restoring, dehumidifying components, CALIBRO RINZAFFO and CALIBRO P.E. INTONACO, to be used one after the other.



## PRODUCT APPLICATION

- Walls with evident humidity and salt deposits caused by capillary rising damp
- To create anti-condensation plaster

## ADVANTAGES

- Suitable to coat all types of walls
- It guarantees long-lasting sound and stable restoration
- It inhibits the development of any form of condensation
- Also machine-applicable
- Suitable for both indoor and outdoor application

**PREPARATION AND APPLICATION** The preparation and installation data refer to normal environmental conditions (temperature +20°C; relative humidity 60%).

### Preparing the surfaces

Remove the existing plaster up to 50 – 100 cm above the highest visible line of the rising damp.

Remove all loose and brittle parts, which could prevent even adhesion to the surface.

In case of high salt concentration, scrape or brush the wall until the original masonry is visible.

Should there be damaged parts on the wall, these must be restored with new material.

### Preparing and applying the mixture

Both CALIBRO P.E. components can be mixed using a concrete mixer or a planetary mixer.

CALIBRO RINZAFFO can also be mixed with a whip-fitted drill.

The dehumidifying system is applied in two subsequent layers as follows:

#### 1st Layer of CALIBRO RINZAFFO

##### Preparing the mixture

With the concrete or planetary mixer ON, pour 6 L of water (equal to 24% by weight), slowly add CALIBRO RINZAFFO and mix for 3-5 minutes until a creamy texture is obtained.

The same procedure must be carried out when mixing with whip-fitted drill, by pouring 6 l of water into a pot and then slowly pouring in the CALIBRO RINZAFFO product, mixing for 2÷3 minutes at medium speed until you obtain a creamy mixture.

##### Application



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First fill the cavities and level the surface, then apply the rough coat evenly with a minimum thickness of 5 mm.

The CALIBRO RINZAFFO surface must be rough to allow a better grip of CALIBRO P.E. INTONACO.

## 2nd Layer of CALIBRO P.E. INTONACO

Apply CALIBRO P.E. INTONACO, the day after applying CALIBRO RINZAFFO, with a minimum thickness of 2 cm.

For thicknesses greater than 3 cm, apply in several layers at a distance of at least 24 hours from each other; it is recommended to roughen the surface of the base layer in order to optimise adhesion of the next layer.

In the presence of walls, mixed or out of plumb by more than 3-4 cm and with non-consistent plaster thicknesses, create a first layer of regularising plaster in which it is recommended to use REVOMAT mesh (see relevant technical data sheet) fixed to the masonry with CONNECTORS 20 (see relevant technical data sheet).

## Preparing the mixture

Pour 5 L of water into the concrete mixer or planetary mixer (equal to 25% by weight) and then slowly add CALIBRO P.E. INTONACO mixing for at least 5 minutes until you obtain a creamy mixture.

## Manual application

Apply the layer of plaster, levelling it with a simple straight edge or adjusters to maintain the thickness without crushing the product.

## Sprayed application

It is possible to apply it with a plastering machine with a smoothing wand after mixing the product separately.

Therefore pour the plaster, which has been previously mixed in a concrete or planetary mixer, into the hopper of the plastering machine.

Spray a layer of plaster, paying attention to optimise the amount of air used according to the flow of mortar allowed by the plastering machine.

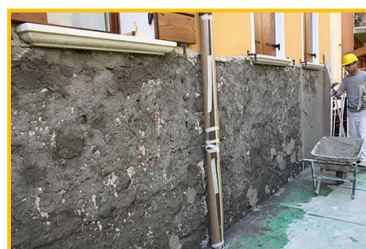
## Watch the product video

### YOUTUBE VIDEO



## Surface finish

The finishing is carried out once the curing process is complete, after at least 14 days, using X-LIME and PAINT AIR (see relevant technical data sheets) or paint that does not alter the breathability characteristics of CALIBRO P.E. significantly.



References available at [www.volteco.com](http://www.volteco.com)

## CONSUMPTION AND YIELD

CALIBRO RINZAFFO:  $6 \div 6.5 \text{ kg/m}^2$  per 0.5 cm in thickness, depending on the roughness of the surface.  
CALIBRO P.E. INTONACO:  $9 \div 9.5 \text{ kg/m}^2$  per cm in thickness, depending on the roughness of the surface.

## PACKAGING AND STORAGE

CALIBRO RINZAFFO and CALIBRO P.E. INTONACO are packaged respectively in 25 kg and 20 kg bags.

The products must be stored in a dry place protected from sun and humidity.

CALIBRO PLUS EVAPORATION in the original packaging has a storage time of 18 months



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## WARNINGS - IMPORTANT NOTES

Do not add water to extend the pot life.

If the product is used with anti-condensation function, provide suitable ventilation in the rooms where the system is applied.

The preparation and installation data refer to normal environmental conditions (temperature +20 °C; relative humidity 60%).

With heterogeneous substrates and variable mortar thicknesses, consult the Volteco Technical Service.

## PHYSICAL AND TECHNICAL SPECIFICATIONS "RINZAFFO"

Specification	Values
Appearance	dark grey powder
Mixture consistency	sprayable
Maximum aggregate size	2.4 mm
Workability time at +20 °C	30'
Application temperature	from +5 °C to +30 °C
Mixture ratio	100 parts powder 24 parts liquid

Parameters subject to company Quality Control	Test method	Values
Mixture bulk density	UNI EN 1015-6	< 1.6 kg/l
Air content	UNI EN 1015-7	> 15%
Compressive strength after 7 days after 28 days	UNI EN 1015-11	> 5 N/mm <sup>2</sup> > 6 N/mm <sup>2</sup>
Bond strength	UNI EN 1015-12	> 0.5 N/mm <sup>2</sup>

## PHYSICAL AND TECHNICAL SPECIFICATIONS "INTONACO"

Specification	Values
Appearance	light grey powder
Mixture consistency	thixotropic
Application temperature	from +5 °C to +30 °C
Maximum aggregate size	1.2 mm
Workability time at +20 °C	30'
Thermal conductivity (UNI EN 1745)	0.35 W/mK (tabulated value)
Reaction to fire (UNI EN 13501-1)	Class A1
Mixture ratio	100 parts powder 25 parts liquid

Parameters subject to company Quality Control	Test method	Values
Apparent bulk density	UNI EN 1015-10	0.9÷1.2 kg/l
Mixture bulk density	UNI EN 1015-6	0.95÷1.15 kg/l
Air content	UNI EN 1015-7	> 30%
Water vapour permeability coefficient $\mu$	UNI EN 1015-19	< 15
Compressive strength after 28 days	UNI EN 1015-11	< 5 N/mm <sup>2</sup> (category CS II)
Bond strength	UNI EN 1015-12	> 0.1 N/mm <sup>2</sup> (B-type breaking)
Capillary water absorption	UNI EN 1015-18	> 0.3 kg*m <sup>-2</sup> *h <sup>-0.5</sup>

The quoted data are obtained in a laboratory at +20 °C and 60% RH.

## SAFETY

Refer to the related Safety Data Sheet.



<b>CE</b>	<b>VOLTECO S.p.a</b> Via delle Industrie, 47 - 31050 Ponzano Veneto (I)
<b>05</b> <b>DOP 0012</b> <b>EN 998-1:2004</b> <b>CALIBRO P.E. INTONACO</b> Mortar for outdoor and indoor plaster - mortar for type R restoration	
Reaction to fire: Class A1 Apparent bulk density: $0.9 \div 1.2$ kg/l Compressive strength: Class C5II Adhesion: $\geq 0.1$ N/mm <sup>2</sup> (B-type breaking) Capillary absorption: $\geq 0.3$ kg/m <sup>2</sup> (after 24h) Vapour permeability coefficient: $\leq 15$ $\mu$ Thermal conductivity (tabulated value): 0.35 W/mK Air content: $> 30\%$ Mixture bulk density: $0.95 \div 1.15$ kg/l Hazardous substances: See SDS	

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