



INSTALLATION MANUAL

(Rev. 01-2022)

1. Preparation of the surfaces to be treated

Perfect cleanliness of the support on which NATURCAP is to be applied is essential.

The surface on which to apply the plaster must be free from pollutants or other particles which could prevent direct contact or compromise the adhesion between the product to be applied and the support itself.

In particular, the substrate must be free from dust, oil residues, grease, traces of release agent, friable and/or incoherent materials, old plasters that are not perfectly sound and/or old inconsistent or water-repellent paint cycles.

2. Installation

The application of the NATURCAP thermal plaster must be carried out in one or more applications according to the total thickness to be achieved. In particular:

- a) for thicknesses up to 20 mm it is possible to proceed in a single coat, until the required thickness is obtained;
- b) for thicknesses greater than 20 mm: it is advisable to proceed with several successive coats, applying maximum product thicknesses, not exceeding 20 mm.
- c) Before the actual plastering, proceed with the application of a first coat of NATURCAP primer as a sbruffo or more diluted bonding shake to favor the adhesion of the plaster on the support such as to uniformly cover the entire surface so as to guarantee a perfect adhesion to the support and provide a homogeneous base for any subsequent coat.
- d) Apply a first coat of Load.
- e) Subsequent coats of the product must be carried out making sure that the first coat has set well.

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TECNOLOGIA PER L'EDILIZIA



- hand application (with concrete mixer)

Naturcap should be mixed with clean water to taste. for each 25 kg bag of product.

The product is mixed in a cement mixer or with a mechanical stirrer for 8-10 minutes until a homogeneous mixture is obtained.

Leave the mix to rest for a few minutes before applying.

Apply manually using a trowel (keeping in mind the above).

For correct application, it is recommended to position any guides and/or corner protectors and to level the applied product with an aluminum straight edge.

- application with plastering pump

For the application of NAURCAP thermal plaster, plastering machines for premixed products such as **TURBOSOL** (GIOTTO), **PFT** (G4-G5), **IMER** (Koine 3 -220 V) and similar can be used (in any case with loading of the material, from the hopper to the mixing chamber , "inclined" or "vertical") and with a "full or perforated blade" loading propeller in order to guarantee, in the dry loading phase, the introduction of the NATURCAP thermal plaster into the mixing chamber without the risk of separation between cork granules and binder .



The plastering machines must be equipped with some accessories commonly supplied by the manufacturers for the use of thermal insulating plasters. In particular, the following are essential:

1. **Helical mixer** for insulating plasters (**full or perforated helix**).
2. **Insulation buffer (stator)** (D8 minimum 30 litres).
3. **Long pitch screw (rotor)** (D8/1.5 super model auger).
4. **Spraying lance (Gun)** with linear non-spout outlet equipped with a ball valve for air regulation.
5. **Cap (or nozzle) diameter 16/18 mm.**

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6. Pipe with a diameter of 30/35 mm The use of pipes made up of different sections (diameters) causes problems in the delivery and homogeneity of the product to the lance. The delivery pipe of the product, if possible, must be in one piece; any joints must in any case guarantee the continuity of the diameter.

The maximum length of the complete section (machine-lance) must not in any case exceed 15 metres.

7. Turbo (or rotor) (optional maxi type): the use of the turbo, which eliminates air pockets during the spraying phase, speeds up, improves and facilitates the application.

8. Pipe cleaning sponge balls.



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before each operation it is strongly recommended to follow this procedure:

- insert the sponge ball at the beginning of the tube,***
- connect the hose to the machine,***
- upload the product,***
- turn on the machine,***
- without inserting the spray lance, let the very diluted product flow along the tube (to facilitate its initial flow along the walls of the tube itself);***
- wait for the sponge ball to come out,***
- turn off the machine,***
- insert the spray lance,***
- restart the machine,***
- adjust the desired water dosage, and start plastering;***

It is also necessary to follow some precautions which allow a more linear use of the plastering machine and, consequently, reduce the margins of error in the application of the NATURCAP thermal plaster by the applicator

The main ones are listed below:

1. To guarantee full efficiency of the equipment, the following checks must be periodically performed: after each stop (more than 30 minutes) washing of the material delivery pipe and of the mixing chamber, at the end of each work shift, cleaning of the mixing.
2. It is recommended to use a raised edge of the loading hopper to allow more product to be placed in the hopper and thus reduce the risk of completely emptying the machine (which would cause the laying of inconsistent plaster).
3. The air tube must be inserted into the spray lance with the terminal 1 cm from the cap, in order to avoid the formation of blockages due to phase separation between cork and binder.
4. It is always necessary to have a container near the spray lance to collect the material that comes out of the cap after the air has stopped. At each stop of the application, the lance must not be left in the container with the tube full of material. This precaution is necessary to avoid the return of mixed material in the air pipe.
5. A pressure of about 4/5 atmospheres is recommended

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6. The water regulation must be set to values between 400 and 600 litres/hour (depending on the degree of dilution of the product, more liquid when preparing the wall, less diluted when plastering).

7. The application of the material must be carried out keeping the lance of the plastering machine perpendicular to the surface to be treated and at a distance of at least 30/40 cm from the support.

NB: All the indications given in this manual are indicative and not binding in a general sense. It should also be specified that our indications do not disregard all those expedients, preventive and during construction, which are attributable to the so-called "Rule of the Art" and which must always and in any case be complied with by the executors of the works, as well as the indications detailed information on our technical data sheets.

Our Technical Department is however available for any specific detailed clarification.

FOR ANY DOUBT OR REQUEST FOR INFORMATION CONCERNING THE USE AND APPLICATION OF NATURCAP THERMAL PLASTER, WE RECOMMEND TO CONTACT THE TECHNICAL DEPARTMENT.

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