

# LAPORTE®

**Technical  
Notice** 



2007 MODEL

# Pointing MACHINE

G R O U N D & W A L L

*To point tiles in a rapid, clean and neat way*

- **This manual covers safety, installation and operating instructions.**
- **This manual is an integral part of the apparatus. It should always be in close proximity of the pointing machine.**
- **All reproduction, even partial, of this documentation is prohibited without the written authorization of the **LAPORTE** Company.**

## **1. IMPORTANT**

**PREFACE:** this manual contains useful and essential information to perfect and guarantee the correct operation and the maintenance of the apparatus

All information, characteristics and technical remarks relating to the handling and the maintenance of the machines were updated when the printing was completed taking into account the most recent evolutions and our experiments and knowledge acquired at that time.

We reserve the right to modify the construction and/or the execution of our products at any moment, without obligation to adapt the former deliveries.

Consequently, the data, figures and descriptions contained in this manual can not give rise to any claim.

### **Advice for the best use of the **LAPORTE** pointing machine**

Nature and preparation of the mortar

**1. Thickness of sand (granulation) :** stream sand from 0.2 to 0.3mm for the ground. Do not hesitate to sift the sand a little before adding the white cement (CPA). Dosing of around 20-25% of cement in respect of the quantity of sand.

Note: a too thick or not homogeneous mortar can cause a compressing in the bottom of the tank and generate a partial or total obstruction of the tube.

**2. Water content :** the mortar must have an intermediate consistency. It should be neither too liquid, which would make the control of flow difficult, nor too thick, which would cause a premature drying of the mortar whilst still in the tank.

**3. Training of the handling of the pointing machine :** for the first use, 5 to 15 minutes will be necessary to master the apparatus. This operation could be made, for example, by laying out some stones on the ground, before starting work on the surface to be jointed. So, any awkwardness due to the lack of experience would not involve any consequence.

The pointing machine is used while moving back along the joint to fill. The slope of the apparatus (compared to the horizontal line materialized by the ground) will condition the height and consequently the aspect of the joint, a butt joint or a «dug» joint. It is in fact the nose of the nozzle which will smooth and dig the mortar, immediately after coming out of the tank.

**IMPORTANT !**

The foot under the tank (in red plastic) has as a role, as its name indicates, to maintain the apparatus in a horizontal position during the operation of filling of the tank. This part is absolutely not used as a guide during the use of the pointing machine.

**4. Preparation of the pointing machine :** Wet the inner surface of the tank before filling the mortar. Select the nozzle according to the width of the joint to be realized (minimum: 5 to 6mm in width)

- Nozzle n°1 small model for ground from 5 to 8mm
- Nozzle n°2 medium-sized model for ground from 9 to 14mm
- Nozzle n°3 large model for ground from 15 to 25mm
  
- Nozzle n°4 small model for walls from 8 to 15mm
- Nozzle n°5 large model for walls from 15 to 25mm

**VERY IMPORTANT :** In order not to risk deterioration of your apparatus (almost irreparable), only fill the tank to below the level of the opening for the slide (the moving part of the pushing rod) to move in and out of the motor block. Otherwise, the mortar could enter inside the motor block and thus damage the mechanism.

By respecting these recommendations, the **LAPORTE** pointing machine will become for its user a practical, effective and reliable tool.

Regular maintenance, even minimal, will make it possible to prolong the life of this material which was built with the greatest care by our technicians.

However, do not hesitate to contact us as soon as the least sign of dysfunction appears.

Sales management

## 2. INSTRUCTIONS

- Weight : 4.7kg
- Composition : 1 motor block, 1 tank, 3 nozzles, 1 pushing rod.
- Sound level : -70db

### MOTOR BLOCK (class II) :

No maintenance, the motor block is made of composite materials.

Shock-resistant, it protects the mechanism and the motor.

A speed variator allows the control of the flow of mortar.

An electric cable makes it possible to connect to mains mono 230V on a protected line in accordance with the standards in force.

The apparatus is protected by a thermal probe in the event of over voltage or of blocking.

The use of a sponge or a wet rag is strongly recommended in order to avoid any water penetration in the motor which could be damaged and thus the guarantee would be void.

### TANK :

The tank is coupled to the motor by a metal connection on the upper part. The pushing rod and the nozzle are connected to the tank.

This tank is made of plastic and can be cleaned by water jet. Light, it can contain 7kg of mortar and it allows the production of 10 to 15ml of joint (according to the width and the thickness of the flagstones).

### NOZZLES :

Interchangeable, they are 3 for the ground and 2 for the walls. They are positioned on the paving tiles.

The only parts to wear, they do not leave traces of abrasion. They adapt on the tank without tools.

- Nozzle n°1 small model for ground from 5 to 10mm
- Nozzle n°2 medium-sized model for ground from 9 to 14mm
- Nozzle n°3 large model for ground from 15 to 25mm
  
- Nozzle n°4 small model for walls from 8 to 15mm
- Nozzle n°5 large model for walls from 15 to 25mm

### GUARANTEE

The **LAPORTE** pointing machine is guaranteed 1 year under normal conditions of use.

Please find herewith the contract of guarantee.

### SALES SERVICE

LAPORTE ENVIRONNEMENT

1170 Route de Nice - F-06600 ANTIBES

Tél. +33 (0)4 92 91 33 00 Fax. +33 (0)4 92 91 33 08

## **FOR A SAFE IMPLEMENTATION**

### **1. Keep the operating area clean.**

Encumbered operating areas and benches can cause accidents.

### **2. Take into account the environment of the operating area.**

Do not expose the tools to the rain. Do not use the tools in wet places. Keep the operating area well lit. Do not use the tools if there is any risk of fire or explosion.

### **3. Keep children away from the apparatus.**

Do not let anyone touch the apparatus or its power cable. It is recommended to keep people away from the operating area.

### **4. Put your unused tools away.**

It is recommended to put the tools away in a dry place, to keep them out of reach of children, either high up, or under lock and key.

### **5. Do not damage the power cable.**

Never carry the apparatus by the cable and never draw on the cable to remove it from the plug. Keep the cable away from heat sources, greasy parts and sharp edges.

### **6. No untimely start.**

Do not connect the apparatus whilst your finger is on the switch. Make sure that the switch is in the off position before connecting the apparatus.

### **7. Use outside extension leads.**

When the apparatus is used outside, only use extension leads designed for external use.

### **8. Remain vigilant.**

Warning. Do not use the apparatus if you are tired.

### **9. Check for damaged parts.**

Before using the apparatus, it is recommended to check it carefully to determine if it can work normally and safely.

### **10. Warning.**

The use of any accessory not recommended in the instructions runs the risk of injury.

### **11. Have the apparatus repaired only by qualified persons.**

This tool is standard. The repairs must only be made by qualified persons by using original parts. Otherwise, this can result in considerable danger for the user.

## INSTRUCTIONS

- Prepare a mixture of LP JOINT **LAPORTE** mortar (it is perfectly adapted to the pointing machine) and water in order to get a creamy consistency (neither too liquid, nor too dry).

Nota : Another mortar can be used (ready-made or sand + cement). Its quality will determinate the end result. The granulation of the mortar will have to be homogeneous and constant (ideally 0,2mm). Filter the selected sand if necessary. Make a preliminary test

- Do not prepare a too important quantity of mortar, since it might dry before being used (from 2 to 3 fillings maximum: around 20Kg).
- Set the nozzle on the tank for the joint to be made.
- Wet the inner surface of the tank before filling it. (Take care!!! Ensure that the motor block is disconnected).
- Plug in the pointing machine
- Work in a sector of 5-6sqm by making the joints in the same direction and while proportioning with the variator gate.
- Make perpendicular joints by modulating the flow in the intersections.
- A tank allows making from 10 to 15 ml of joints according to the thickness of the flagstones and the width of the joint
- Renew the operation of filling

Nota : unplug the apparatus to fill it again with mortar. Take care not to spread mortar on the motor block.

If this is the case, clean the block with a damp rag without wetting the motor block.

## CLEANING

### TANK

Clean if the machine is left for any prolonged pause or as soon as the mortar becomes less creamy and it flows out less in the joint.

#### NEVER LEAVE THE MORTAR DRYING IN THE TANK

1. Unplug the apparatus
2. Take off the pushing rod
3. Take off the metal connection and disconnect the motor.
4. Clean the tank, the nozzle and the pushing rod by water jet or by immersing. Take care to suppress any trace of mortar. The good state of cleanliness of the tube and the tank guarantees the reliability of the apparatus and the quality of the joints.

### MOTOR BLOCK

Before each use, make sure that the ventilation of the motor is not obstructed.

The motor must be cleaned after each use.

All the moving parts in the motor block are greased for life and are designed for a professional use.

### 3. THE ADVANTAGES

Introduced for the first time at the BATIMAT trade show, the pointing machine is aimed at professionals and experienced handymen who are looking for an efficient tool and neat work.

- Easy to use, the apparatus can be mastered after a few meters pointing.
- Comfortable to handle, it can be used in a standing position and you are no longer forced to work on your knees in accordance with the traditional method. Less tired, the worker is more efficient and thus his work is profitable.
- Speed : pointing with the machine can save you more than 50% of your time. Sold in do-it-yourself shops, it can pay for itself from a 200sqm site of flagstones. For private users who do not wish to invest, the apparatus can be rented from the best do-it-yourself stores.
- No maintenance : All the moving parts in the motor block are greased for life and are designed for intensive use. The pointing machine is guaranteed one year, for parts and repair, under normal use. The after sales service is provided by the **LAPORTE** Company.
- Clean and neat work is guaranteed with the pointing machine. From its design, the pointing machine ensures a perfect filling of the joints without dirtying the flagstones. No more kneeling to clean with a brush or a sponge. It avoids staining porous tiles (terra cotta for example) especially when the joint has a different colour.

#### MAIN CHARACTERISTICS

The pointing machine is composed of a motor block, a tank and an interchangeable nozzle.

- **The motor block**

Made of composite materials, it is shock-resistant.

With a power of 350 Watts, it is protected by a thermal probe in the event of over voltage or blocking. Two handles allow a steady hold of the machine. The motor operates the pushing rod set in the tank.

The standard model is 200V. A 110V version is available upon request.

- On the back handle, the gate allows to control and stop the flow of the mortar.

- **A control knob**

Integrated in the gate (or variator), adjusts the maximum required speed according to the width of the joint.

A switch allows a uninterrupted operation, once the perfect control of the apparatus is acquired.

- **The tank**

In red synthetic material, it receives the pushing rod and the nozzle. It is connected to the motor block by a metal connection in the higher part via two fixed lower pins. It can contain 7kg of mortar to make joints from 10 to 15 linear meters.

- **Nozzles**

Interchangeable, they are 3 for ground, 2 for walls to make joints from 5 to 8 mm, from 9 to 14 mm, over 15 mm.

In contact with the pavement, they wear well and they do not leave traces of abrasion. They adapt on the tank without any tool.

## 4. CONTRACT OF GUARANTEE

### EUROPEAN COMMUNITY COMPLIANCE STATEMENT

We declare under our responsibility that the product is in compliance with the following standards or standard documents :

NF EN 50 1444

In compliance with the European Community 73/23  
regulation amended European Community 93768

CE 97 **LAPORTE** 06410 BIOT France  
CLASSE 2

# Pointing MACHINE

2 0 0 7 M O D E L



### CONGRATULATIONS !

You have bought a **LAPORTE** pointing machine.  
This new machine was carefully conceived for professional use.  
It was rewarded during 2 important trade shows  
(BATIMAT - PARIS 95 and BATEXPO - Grenoble 96),  
which is a guarantee of originality and reliability.

We hope that the LAPORTE pointing machine  
will give you whole satisfaction in the realization of your sites.

For a better result and an easier use, use the LP JOINT LAPORTE mortar.

Ready-made, it guarantees :

- An adapted and constant granulation,
  - Natural and continuous colours,
- Flexibility in use (no preparation is necessary)