

CG WOOD 430

USER MANUAL

Translated instruction manual



SAINT-GOBAIN

clipper®



CE Declaration of Conformity

The undersigned manufacturer:

**SAINT - GOBAIN ABRASIVES S.A.
190 KENNEDY BD. J. F.
L-4930 BASCHARAGE**

Declares that the following new equipment:

"Floor Polishing Sander": **CG WOOD 430 230V**
CG WOOD 430 110V

Code: **70184632746**

Code: **70184633139**

complies with the provisions of the Guidelines:

- **"MACHINERY" 2006/42/EC**
- **"LOW VOLTAGE" 2014/35/ EC**
- **"ELECTROMAGNETIC COMPATIBILITY" 2014/30/EC**

Valid for machines with a serial number from: 4503430198001

Where technical documents are kept:

Saint-Gobain Abrasives 190, Bd. J. F. Kennedy 4930 BASCHARAGE, LUXEMBOURG

This declaration of conformity becomes null and void if the product is processed or modified without our consent.

Bascharage, 12/04/2023.

François Chianese, authorised representative and responsible for the technical file.
Bascharage, Luxembourg

CG WOOD 430

USER MANUAL

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1 BASIC SAFETY TIPS

The CG WOOD 430 is exclusively intended for soil preparation such as sanding wooden floors.

Any other - or extended - use contrary to the manufacturer's advice will be considered non-compliant. The resulting damage shall not be the responsibility of the manufacturer. The risk will be borne exclusively by the user. Proper use also includes compliance with the operating instructions and the inspection and maintenance conditions.

1.1 Pictograms

Advice and warnings are represented by pictograms on the machine. The following symbols can be found on the CG WOOD 430. Here's their explanation:



Mandatory reading of the user manual
before operating the machine



Mandatory hearing protection







Mandatory hand protection



Mandatory vision protection

1.2 Machine insert

The important information can be found on the following plate attached to your machine:

 <p>SAINT-GOBAIN</p> <p>190, Bd. J.F. Kennedy L-4930 BASCHARAGE LUXEMBOURG</p>	Code: Machine Code
	Mod: Machine model
	Type: Machine Type
	Year : Year of production
	W= Weight kg
	P= Power kW
	 = Working Ø mm
	 = Rotational speed RPM
Serial N°: Serial Number	

1.3 Prevention tips at certain phases of operation

Before the start of the work:

- Read this user manual carefully.
- Familiarize yourself with the environment at the point of intervention. This working environment includes, for example, difficulties in execution, obstacles to traffic, compliance with ground loads, the necessary safety markings demarcating the construction site from public traffic and the possibility of emergency services intervening in the event of an accident.
- Make sure there are no metal parts or sudden discontinuity at ground level. If in contact with any anomaly, the machine could jump and cause damage to the operator, other people or things.
If possible, remove any abnormalities before working with the machine. Otherwise, work at a safe distance from these anomalies.
- Make sure the soil is homogeneous.
- Regularly check whether the tools are secured correctly.
- Use the machine only with its protective housings and electrical box covers attached.
- Check that the guard slides vertically and freely. When using the machine, the guard must always be in contact with the ground.
- For dry use, use the machine only with a dust vacuum. (A connecting nozzle is provided for this purpose)
- Check that all hoses (suction and water supply) are not damaged and properly connected.

- Wear safety glasses while working.
- Use only NORTON or manufacturer-approved tools. The use of other tools may result in damage to the machine.
- Never use the machine in the rain.

Machine with electric motor

- Unplug the machine from the electrical outlet before starting any repairs or maintenance.
- Avoid contact of electrical connections with splash water or moisture.
- The machine can cause explosions when used near flammable materials or vapors.
- Do not use this machine near fuels, combustible powders, solvents or other flammable materials.
- Keep the electrical cable away from hot surfaces.
- Keep electrical components dry. Always store the machine in a dry place.
- It is essential that the machine is properly grounded. If in doubt, have the electrical connections checked by a qualified electrician.
- If the machine stops for no apparent reason, turn off the main power supply to the machine. Only a qualified electrician is authorized to investigate and solve the problem.
- Using the machine with a damaged electrical cable can cause short circuits.
- Do not use the electrical cable to move and/or pull the machine.
- Do not plug into the power outlet with a non-regulation outlet or by forcing the cable.

2 GENERAL DESCRIPTION OF THE MACHINE

Any modification to the machine, altering the initial properties of the machine, can only be carried out by Saint-Gobain Abrasives S.A., which is the only one authorized to confirm the conformity of the machine. Saint-Gobain Abrasives S.A. reserves the right to make any technical or design changes to the machine without prior notification.

2.1 *Brief Description*

A robust and high-performance machine, the CG WOOD 430 floor sander is specially designed for soil preparation. However, it can also perform light polishing:

- Soil preparation is a coarse sanding of the surface carried out in order to make the surface flat, but with an accentuated roughness.
- Sanding is the procedure that goes from the initial roughing stage to the polishing stage.
 - The blanking is carried out with aggressive tools to remove the material needed to obtain a flat surface,
 - Polishing reduces surface roughness to achieve smoothness and surface shine using less and less aggressive tools (finer and finer grains).

2.2 Composition



1	Deadman Handle		
2	Adjustment handle		
3	Handle to fold the handle		
4	Motor head		
5	Chassis		

Deadman Handle (1)

The deadman-to-man handle allows the machine to be started while being very safe for the user.

Adjustment Handle (2)

A hook allows you to adjust the height of the deadman handle to suit each user

Handle for folding the handle (3)

The handle allows the arm to be folded over the machine to make it more compact.

Motor Head (4)

Allows sanding

Chassis (5)

The chassis has a solid yet compact construction. It can be separated from the motor head for easy transport.

2.3 Technical Data

	CG WOOD 430 230V	CG WOOD 430 110V
Engine	3 kW / 4 HP 230V 1~ 50 Hz	1.5 kW / 2 HP 110V 1~ 50 Hz
Working Width	430 mm	
Number of heads	1 or 4	
Diameter of a head	430 or 140 mm	
Rotational speed	800 ^{min-1}	600 ^{min-1}
Suction diameter	Ø 40 mm	
Unfolded Machine Dimensions (L x W x H)	630 x 430 x 1250 mm	
Mass	59 kg	

2.4 Declaration of Vibration Emissions

Declared vibration emission value according to **EN 12096**

Machine Model/Code	Measured emission value vibration at m/s ²	Uncertainty K m/s ²	Tool used Model/Code
CG WOOD 430 230V 70184632746 CG WOOD 430 110V 70184633139	1.6	0.5	Lutron Type: VB-8201HA Serial Number: Q258053

- Values determined according to the procedure described in Annex F of **EN 13862**
- Measurements are made with new machines. Actual values on site can vary significantly (from one to two) depending on the conditions of use, depending on:
 - Treated materials
 - Wear and tear on the machine
 - Lack of maintenance
 - Not suitable for the application
 - Tool in poor condition
 - Non-Specialized Operator
 - Etc...
- The time of exposure to vibrations is also a function of the work performance (related to the suitability of the machine / tool / material to be processed / operator)
- In assessing the risks due to hand-arm vibration, account should also be taken of the actual time of use of the machine at full speed during a working day; It is not uncommon to find that this actual operating time is limited to 50% of the total working time, taking into account all stoppages (breaks, preparation of work, movement of the machine, assembly of tools, etc.).

2.5 Noise Emissions Statement

Machine Model/Code	Sound Pressure Level	Uncertainty K
CG WOOD 430 230V 70184632746	72 dB(A)*	2.5 dB(A)
CG WOOD 430 110V 70184633139		

*Average value of four-point measurements with a two-meter sound level meter

- Measurements are made with new machines. Actual values on site may vary with conditions of use, depending on:
 - Wear and tear on the machine
 - Lack of maintenance
 - Not suitable for the application
 - Tool in poor condition
 - Non-Specialized Operator
 - Etc...
- The measured values are for an operator, in the normal operating position, as described in this manual.

3 ASSEMBLY AND START-UP

The machine is delivered assembled, fully equipped and ready for operation. Before using the machine for the first time, please follow the following few instructions.

3.1 *Deadman Handle Height Adjustment*

You can adjust the height of the deadman handle to have a comfortable position. To do this:

- Hold the adjustment handle to release the rotation of the dead-man handle.
- Adjust the height of the handle. Release the handle to lock the position.



3.2 Tool assembly

3.2.1 Holder for non-woven pads

To use the non-woven pads you need a specific support.



To mount this bracket, you need to:

- Turn off the power to the machine and disconnect it from the power supply.
- Adjust the deadman handle to the highest position with the adjustment handle.



- Lay down the machine.

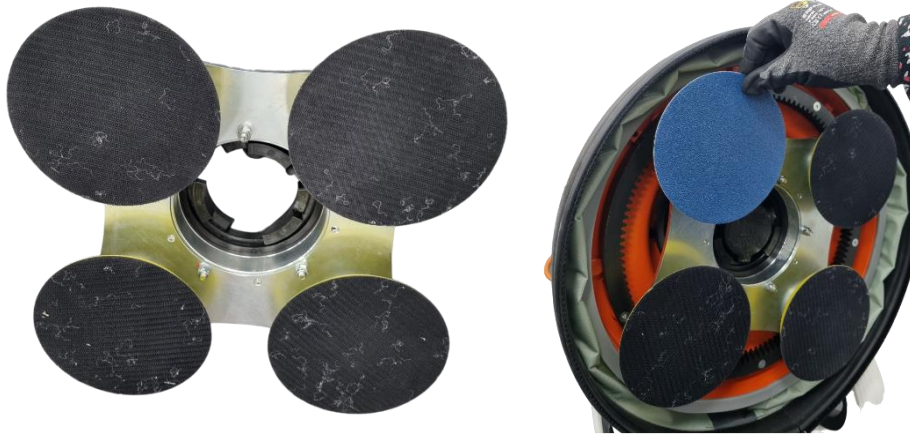


- To set up the backing plate, simply center it on the machine head and rotate it slightly to lock it in place.



3.2.2 Planetary with hook-and-loop holder

To use the sanding discs (Ø 150) you need to install the planetary with the hook-and-loop brackets.



To mount this bracket, you need to:

- Turn off the power to the machine and disconnect it from the power supply.
- Adjust the deadman handle to the highest position with the adjustment handle.



- Lay down the machine.



- To set up the backing plate, simply center it on the machine head (taking care to place the sprockets securely) and rotate slightly to lock it in place.



3.3 Additional weights (optional)

For some jobs, the use of additional weights (optional: first weight: 310597643 und additional weight: 310597644) may be necessary to be more aggressive.



3.4 Use of intermediate pads



These pads are recommended for use on a very irregular floor that can cause vibrations.

They protect the machine and make it more stable when working.



3.5 *Start-up of the machine*

- Adjust the height of the deadman handle to a position that is comfortable for you.
- Press the button under the handle
- Then tighten one of the two handles (right or left)
- Release the button.

As long as one of the two handles is held tight, the machine remains in operation. As soon as both handles are released, the machine stops.



4 USING THE CG WOOD 430

4.1 *Work Environment*

Before starting the work, check the following:

- Clear the machine installation site of anything that could hinder the progress of the work.
- Ensure that the site is well lit.
- Place the electrical cables and dust vacuum hose in such a way as to avoid the possibility of damage by the tools.
- Ensure that the view is constantly clear on the evolution of the machine
- Ensure that it is possible to intervene at any time in the flow of operations.
- Keep all other people away from the activity area to avoid accidents.

4.2 *Working method*

The CG WOOD 430 is a manually operated machine.

To achieve optimal results when working with the machine, it must not stagnate at one point, but must be in perpetual motion, otherwise the floor will be seriously damaged.

For each tool chosen (depending on the work to be done), here are the different steps to follow:

- Setting up the tools (Don't forget to unplug the machine before any intervention)
- Connect the vacuum cleaner to the nozzle provided.
- Start the vacuum.
- Start the machine.
- Make a pass with the machine over the entire surface to be treated.
- Turn off the machine.
- Turn off the vacuum.
- Check the condition of the soil: the marks left by the tools must be homogeneous.
- If necessary, the previous steps can be repeated until the desired result is achieved.

5 TRANSPORT AND STORAGE OF THE CG WOOD 430

Follow the instructions below for transporting and storing the machine.

5.1 *Transport safety*

Always disassemble tools before transporting or moving the machine.

5.2 *Transport and lifting process*

The machine can be moved on flat ground using its wheels. Raise the sanding head of the machine by pressing the deadman handle so that it no longer touches the ground and then move the machine using its wheels.

A carrying handle is provided for manual transport.

The arm can be folded to take up less space during transportation.

To do this, simply loosen the handle, lower the arm, and tighten the handle again.



5.3 *Machine Storage*

Before a long period of machine inactivity, clean the machine thoroughly. Store the machine in a dry, clean, and temperature-stable place.

The arm can be folded to take up less space during storage.

6 MAINTENANCE

In order to maintain quality over time, when preparing your floors and for safe and trouble-free operation of the machine, follow the following maintenance plan:

		Before the start of labour	During the tool change	At the end of the day	Weekly	In the event of a breakdown	After damage
Whole machine	Visual inspection (general condition, watertightness)						
	Clean						
Tool and removable housing	Clean						
Electric Motor Cooling Fins	Clean						
Motor housing	Clean						
Accessible screws and nuts	Tighten						

Machine Maintenance

Perform maintenance on the machine with the engine turned off and the tools stationary. Separate the machine from the power grid before performing maintenance.

Cleaning the machine

The lifespan of your machine depends a lot on its maintenance. So clean it at the end of each day.

7 BREAKDOWNS: CAUSES AND REPAIR

7.1 Behaviour in the event of a breakdown

In the event of a breakdown in use, turn off the machine and disconnect it from the power supply. Work on the machine's electrical system can only be done by a qualified electrician.

7.2 Instructions for Defect Detection and Remediation

Failure	Possible Source	Resolution
Difficulty in starting	No electricity	Check the fuse in your power supply
	Power cable cross-section too small	Changing Power Cable
	Problem on the switch	Can only be solved by a qualified electrician
	Problem on the engine	Consult an electric motor maintenance workshop
	Faulty power cable	Changing Power Cable

7.3 *After-sales service*

When ordering spare parts, always indicate:

- a. Serial number (seven digits)
- b. Part Number
- c. Exact description
- d. Number of pieces desired
- e. Exact address
- f. Please avoid statements such as "as soon as possible" or "urgent" but clearly indicate the desired shipping method: "express", "by air", etc.

If you do not specify the desired shipping method, we will send the parts by the means considered the most reasonable, without necessarily being the fastest.

With accurate instructions, you will avoid problems and shipping errors.

If there is any uncertainty, please send us the defective part.

In the event that the parts are covered by the warranty, the shipment of the defective part is mandatory.

Order engine parts directly from the manufacturer or from a representative – you'll save time and money!

This machine was manufactured by Saint-Gobain Abrasives S.A.:

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7.4 Parts

To view spare parts lists, please visit the Norton Clipper Aftermarket website at the following address:

<https://spareparts.nortonabrasives.com>

For quick access, you can also use the QR Code below using your mobile phone:



This electronic catalog provides you with exploded parts and spare parts lists for various Norton Clipper machines so that you can find the part numbers you need.

You can get technical support, spare parts and diamond blades from our local distributors.

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