

Instruction manual standard E3 – E4

floor
iQ



Table of contents

1	<u>INTRODUCTION</u>	pag. 3
2	<u>MACHINE DESCRIPTION</u> application accessoires safety function	pag. 3
3	<u>SAFETY INSTRUCTIONS</u> surrounding conditions protection tolls electronical dangers sawing-blades warning symbols	pag. 4, 5
4	<u>OBLIGED CHECKS BEFORE INTRODUCTION</u>	pag. 6
5	<u>OPERATION</u> removing the sawing-blades mounting of the sawing-blade adjust the depth switch on / switch off	pag. 7, 8
6	<u>REPAIR</u>	pag. 8
7	<u>TECHNICAL SUBJECTS</u>	pag. 9
8	<u>FAILURE SURVEY</u>	pag. 9
9	<u>MACHINE PARTS LIST</u>	pag. 10, 11

1 INTRODUCTION

Thank you very much for choosing the electrical floorgrindingmachine. This information guide describes the floorgrindingmachine type VLFR. In this guide you will find important information for a good and safe operation of the machine.



Please read this guide carefully before you are going to use the electrical floorgrindingmachine. Keep this guide near the machine, so that you can consult the instructions and safety regulations at all times.

2 Machine description

Application

The VLFR is an electrical floorgrindingmachine for grinding grooves into sand cement and anhydrietfloors (top layer floors) . The machine has a diamondsawing-blade.

The upper half of the sawing-blade is protected by a protectioncap with a connection for a vacuum cleaner. You must work dry with this machine, if you put a suitable vacuum cleaner on this machine you can work completely dustfree.

Accessoires

You can put sawing-blades with different breaths on this floorgrindingmachine. A measure distant conductor and a bigger dustcap are optional.

Safety function

To prevent that the floorgrindingmachine will get overloaded is a thermal security placed on the machine. It is forbidden to switch this off or to tide it over.

3 SAFETY INSTRUCTIONS

Please read the following safety instructions carefully before you are going to use the floorgrindingmachine. Follow the instructions conscientiously while using the machine. KEEP THESE SAFETY INSTRUCTIONS near the machine, so that you can consult them at all times.



surrounding conditions

- NEVER use the floorgrindingmachine if there are any combustible liquids or gasses on or near the working place.
- Before you start grinding the floor, you must check your building-drawings or use detective tools to see if there are not any water –and/or electrical pipes in the surface.
- NEVER use the grinding machine if the working place is not cleared and if there is any danger to stumble. Also, mind that the lighting of the working place is sufficient.
- Take care that there are not any other people near the working place. Especially NEVER allow children. Take care that nobody touches the floorgrindingmachine.
- NEVER get yourself distracted while working.
- Take care of an easy attitude of the body.

Load en discharge

- It is unallowed to lift the machine with two persons, because the total weight of this machine is over 50kg.

Protection tools:

The following personal protection tools are obligated:

- Hearing protection
- Savety shoes
- A dustmask

- Do not wear any jewellery or loose clothes

Electronical dangers



- Always connect your electrical cable to a switchboard/ plug witch is connected to an earth leakage circuit breaker
- NEVER use the grinding machine if the working place is moist or wet.
- NEVER work with the machine outside while it is raining.
- The freemachine is an electronical machine. To prevent electric shock injuries and fire-risk you must ALWAYS follow the safety instructions.
- The floorgrindingmachine is provide with a disposed plug. DO NOT replaces this for a plug without earth leakage circuit breaker

Sawing-blades

- Exclusively use sawing-blades conforming the specifications mentioned in this guide. Do not use sawing-blades with a wrong shaftgap or with a smaller or bigger diameter than is prescribed.
- Make sure that the floorgrindingmachine is clean. Keep grasps dry and free from oil and grease.
- The sawing-blades are sharp, handle them carefully and prudently.
- When you change the sawing-blade you always have to pull the plug out of the sucket before you remove synthetic nuts from the dustcap.

Warning symbols

You can find the following stickers with command- and warning symbols on the floorgrindingmachine.



4 OBLIGED CHECKS BEFORE INTRODUCTION

The following checks are obliged before you are going to use the floorfreemachine. You can NEVER use the grinding machine, if you discover by one or more checks that the current supply does not function completely correct.



Check if your current supply:

The extension cords are safe for the aimed work. The electrical cables are safe for the aimed work.
Electrical cables are fully rolled off of the reels. The total length of your cable to your current plug cannot be over 20m. Electrical cables do not have damage or breaks. You do not have water somewhere on your working spot.
You have electrical power on your working spot which is earthen.
The current supply is grounded.

Check by the grinding machine if:

The operation switch is off, so that the grinding machine will not begin to function the moment that you pull the plug into the socket. Safety functions and the operation switch function correctly.
Take care that a component with a safety function or an operation switch that functions badly is replaced before you start working with the machine.
Take care that the sawing blade is not deformed or cracked, replace the blade in case of damaged or malfunctioning or if you doubt the quality of the blade. The sawing blade and clamping bush need to be well tightened.
The protection cap of the sawing blade is solidly tightened.
There are no tools or wrenches left on the grinding machine.

5 OPERATION

During the operation of the grinding machine you should follow the safety instructions carefully.

Only work with an electrical cable which is earthen with minimal 2.5mm/3 (3 string) Take care that the machine will NEVER get unnecessary overcharged while grinding.

NEVER make the rotation of the sawing-blade stop by excersize presure on the side of it. Only use the original sawing-blades of FloorIQ.

Removing the sawing-blade

ALWAYS first pull the plug out off the socket, before you change your sawing-blade.

- 1 Turn the two synthetic nuts, which are fastend to the dustcap loose
- 2 Remove the dustcap.
- 3 Untie with an open-end wrench the 6 sided nut from the shaft.
- 4 Remove de fillring
- 5 Remove the sawing-blade

Mounting of the sawing-blade

Mounting of the sawing-blade happens in sequence.

1. Slide the sawing-blade over the shaft
2. Slide the fillbus over the shaft
3. Turn the 6-sided nut on the axle and tightened it with a open-end wrench.
4. Mount the dust cap and tightened the two synthetic nuts well.

Adjust the sawing depth

- 1 Turn the securing handle to the left.
- 2 Turn with a synthetic spindle the sawing-blade to the depth which you want.
- 3 Turn the securing handle to the right, so that the sawing-blad remains at the same depth (Pay attention: the sawing-blade will wear out while sawing, this will affect the sawingdepth)

On- off switching of the machine:

Switch on

- 1 Before you switch your machine on, always first switch on your vacuum cleaner.
- 2 Pull out the red emergencystop button.
- 3 Press the black button next to the emergencystop.
- 4 Make sure the machine reaches it's maximum rpm before starting work.
- 5 Adjust the required sawing depth.
- 6 Start grinding. Move the machine slowly and with constant speed over the floor.

Switch off

- 1 Press the red emergencystop button.
- 2 Do not get your saw out of the floor, before the sawing-blade stands completely still.
- 3 Now turn off your vacuum cleaner.

6 Maintenance

Check regularly if the sawing-blade is still in good condition. Directly replace the the sawing-blade when it is damaged or worn out.

Prevent early wearing out through by keeping the machine as dustfree as possible. Therefore use the vacuum cleaner regularly to keep the machine clean.

Repairs can only be done by your supplier or by persons who are skilled for this job. In case your repair is not done by FloorIQ your guarentee expires.This way your machine remains safe and reliable.

7 Technical subjects

Number of sawing-blades	: 1
Max. width	: 19mm
Max. diameter sawing-blade	: 120mm
Min. Sawingdepth	: 1mm
Max. sawingdepth	: 24mm
Bore	: 22,2mm
Power supply	: 400V
RPM	: ca.6800 tpm
Soundlevel	: 86dB(A)
Weight	: E3 ca. 64kg E4 ca. 71kg

FloorIQ keeps the right to change technical data mentioned above without preceded notice. This is in relation to continuing innovative developments of the machine.

8 Failure survey

Failure	Possible cause	Solution
The sawing-blade cannot be sufficiently tightened/ secured	The sawing-blade does not meet the requirements	Remove the sawing-blade and replace it for a original sawing-blade.
The dustsuctioncap can not be closed	The diameter of the sawing-blade is too big	Remove the sawing-blade and replace it for a sawing-blade with a diameter of 115mm.
Dust comes free while freezing.	The vacuum cleaner	Check if the filter of the vacuum cleaner is still clean. In case it is not, you should clean the filter.
The motor of the machine works, but the sawing-blade stands still.	Driving gear or knurled clamping nut.	Check if the driving gear is not blast. Is the knurled clamping nut, where you put the sawing blade permanently, sufficiently tightened.
The thermal switch switches of the machine	The floor is too hard or you are pushing too hard against the machine.	Replace the sawing-blade fore a sawing-blade that is suitable for hard floors. Let the machine do his work.