



Using the Floor Grinder

1. Wear all your protective equipment including ear defenders and goggles.
2. Always grip the floor grinder correctly with two hands while working.
3. Make sure the machine is running at full speed before lowering the abrasives carefully onto the surface.
4. When grinding or scouring, move the machine over the floor in a circular scything motion. If using wire brushes you should pull the machine backwards, taking care not to trip. This will avoid compacting the loosened surface debris by not walking over it.
5. Take care not to damage any finish floor surfaces by operating the machine while moving to your work area and positioning the floor grinder.
6. If the machine starts to labour, reduce the depth of cut and make two passes.
7. While working, keep a lookout for any obstructions in your path, stop the floor grinder and clear them out of the way. Be especially careful to keep the electric cable clear of the abrasive discs.
8. As the abrasives wear you must adjust the tilting handle to maintain a level contact between abrasives and floor.
9. Do not adjust the tilting handle in an effort to increase the pressure onto the floor. This will not do the job faster but will wear out the abrasive attachments much quicker.
10. Periodically check, and tighten the wedges as necessary.
11. You must stop the engine if you need to change the abrasive attachments or make any adjustments.
12. Watch out for signs that vibration from the work may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from work. Exercise your fingers to encourage blood circulation.
13. To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
14. Take care not to accidentally pull the plug from the socket.
15. Stop the unit and unplug it if leaving the machine unattended.
16. If you think the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the drive unit is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
17. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.
18. You may want to read this leaflet again. Please keep it until you finish work.

Please keep this leaflet safely as it may be required for future reference



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The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Floor Grinder

1. Plan your work and think ahead to make sure you will always be working safely.
2. Electricity is dangerous and must always be used with great care.
3. This floor grinder is designed for grinding concrete surfaces, removing loose surface material or ridges, preparing the surface for painting; it can also be used for removal of dry grease or paint. You must use the appropriate attachments.
4. The action of this floor grinder can cause injury or damage if the machine is not used in a careful and controlled way.
5. If you have not used a floor grinder before, familiarise yourself with the machine on some straightforward work before you start on the main task.
6. You must have at least the following items of personal protective equipment: impact resistant goggles; dust mask; ear muffs or plugs giving protection for levels up to 102 dB(A); safety boots; overalls and gloves; rcd if using a 230 volt (mains) supply.
7. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This floor grinder is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

WORK AREA

1. Do not use this machine where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Do not use this floor grinder in the rain or where it might get wet.
3. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
4. Protect other people from the noise, debris, and dust. Warn others to keep away, put barriers around your work area.
5. If your machine has a vacuum dust collection system then you should work with a dry surface. The dust collection will be more efficient. You must still wear a dust mask with a minimum of EN149 FFP3(s) protection).
6. This machine may damage pipes or cables laid just beneath the surface.



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1. Use a residual current device (rcd) plugged directly in to the 230volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.
2. Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need an extension cable, follow any special instructions given by the hire company. If the cable has a yellow industrial plug fitted, 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.
4. Do not use any other wedge except those supplied by the hire company. Do not use it, replace it. If a hardwood wedge is damaged or worn, replace it with a new one.
5. Make sure that any extension cable connections are dry and safe.
6. Do not use different abrasive attachments on each housing or disc; always use the same abrasive throughout.
7. If a hardwood wedge is damaged or worn, replace it with a new one.
8. Do not use it, replace it. If a hardwood wedge is damaged or worn, replace it with a new one.
9. Lift the handle to stand the machine upright.
10. Rotate the tilting handle to adjust the machine to ensure the abrasives are resting evenly on the floor. The machine is now ready.
11. While you are working, the wedges may periodically stop the machine and check, and tighten the wedges as necessary.
12. Watch out for signs that vibration from the work may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from work. Exercise your fingers to encourage blood circulation.
13. To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
14. Take care not to accidentally pull the plug from the socket.
15. Stop the unit and unplug it if leaving the machine unattended.
16. If you think the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the drive unit is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
17. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.
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110 VOLT MACHINES (YELLOW PLUG)

1. If you are using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any special instructions given by the hire company. If the cable has a yellow industrial plug fitted, 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

ELECTRICAL SAFETY

1. Your machine will only operate on one voltage: it will be 110v or 230v. 110v machines will have a yellow industrial plug fitted, 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)

1. Use a residual current device (rcd) plugged directly in to the 230volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.

2. Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.

3. If you need an extension cable, follow any special instructions given by the hire company. If the cable has a yellow industrial plug fitted, 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

4. Do not use any other wedge except those supplied by the hire company. Do not use it, replace it. If a hardwood wedge is damaged or worn, replace it with a new one.

5. Make sure that any extension cable connections are dry and safe.

6. Do not use different abrasive attachments on each housing or disc; always use the same abrasive throughout.

7. If a hardwood wedge is damaged or worn, replace it with a new one.

8. Do not use it, replace it. If a hardwood wedge is damaged or worn, replace it with a new one.

9. Lift the handle to stand the machine upright.

10. Rotate the tilting handle to adjust the machine to ensure the abrasives are resting evenly on the floor. The machine is now ready.

11. While you are working, the wedges may periodically stop the machine and check, and tighten the wedges as necessary.

12. Watch out for signs that vibration from the work may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from work. Exercise your fingers to encourage blood circulation.

13. To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.

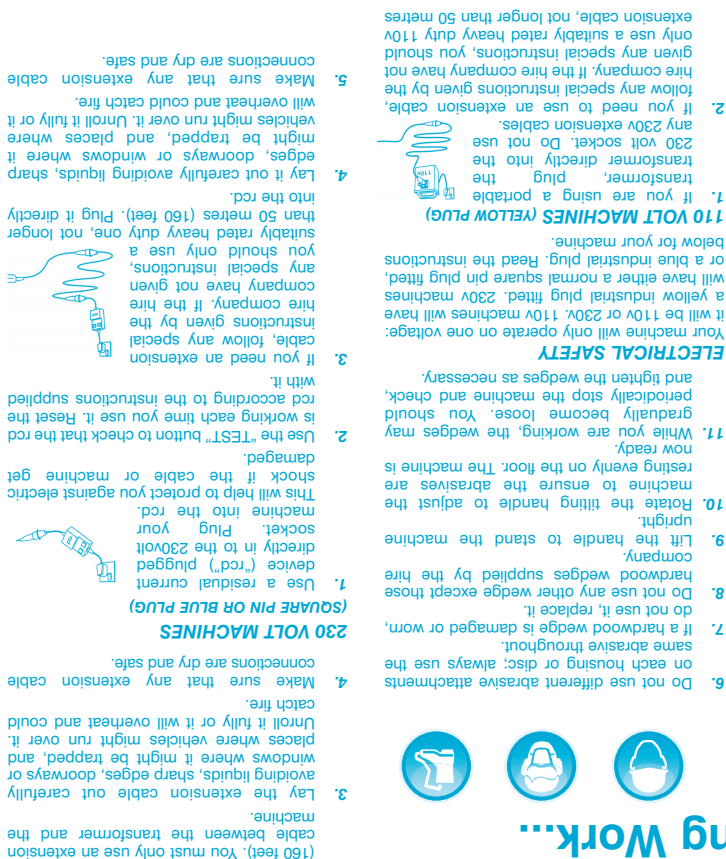
14. Take care not to accidentally pull the plug from the socket.

15. Stop the unit and unplug it if leaving the machine unattended.

16. If you think the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the drive unit is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.

17. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

18. You may want to read this leaflet again. Please keep it until you finish work.



1. Check your machine, engine, and all equipment - do not use anything found damaged - contact the hire company.
2. Units with a cylindrical yellow industrial plug fitted are designed to run off a special provided a portable transformer if you need 110v supply. The hire company will have a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.
3. Use only the correct type of abrasive attachments recommended for the machine and for the job by the hire company.
4. Remove the old attachments by knocking out the hardwood wedges, place each replacement abrasive attachment in the appropriate housing.
5. Secure each one in turn by inserting a stone or box nearest the centre of the machine and the housing. Hammer each wedge firmly home.
6. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
7. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This floor grinder is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

CHECKING AND CHANGING THE ABRASIVE ATTACHMENTS

1. Make sure the grinder is switched off and unplugged.
2. Tilt the machine back, so that the handle rests on the ground, to show the two discs that hold the abrasive attachments.
3. Before changing the abrasive attachments, note how they fit so you will know how to fit the replacement abrasive attachment in the appropriate housing.
4. Remove the old attachments by knocking out the hardwood wedges, place each replacement abrasive attachment in the appropriate housing.
5. Secure each one in turn by inserting a stone or box nearest the centre of the machine and the housing. Hammer each wedge firmly home.

ABRASIVE ATTACHMENTS

1. There are two discs that rotate on the underside of the floor grinder. Each disc has three changeable abrasive attachments located concentrically around the disc.
2. These abrasive attachments can be a grinding stone, a box containing three scouring wheels, or a wire brush. The shape and can easily be interchanged, one with another.
3. Each abrasive attachment is held in by a hardwood wedge.
4. Do not use different abrasive attachments on each housing or disc; always use the same abrasive throughout.