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# Using the Floor Saw

## 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. Walk over the intended line of cut. Check that there are no obstructions on the surface or just buried in the surface.
3. Check that there are no buried electrical cables, gas or water pipes where the cutting is to take place.
4. Make sure that the area is clear and safe and that no-one is nearby who could cause a distraction.
5. Protect other people from the noise, debris and dust. Warn others to keep away. Barriers should be out around the work area.

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

# Floor Saw

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 Saw

1. Electricity can be hazardous and must always be used with great care.
2. This floor saw is designed to cut concrete, masonry or asphalt floor using the appropriate cutting wheel.
3. The action of this floor saw can cause injury or damage if the machine is not used in a careful and controlled way.
4. If the operator has not used a floor saw before they should familiarise themselves with the machine on some straightforward work before starting on the main task.
5. The work should be planned ahead and thought out to ensure that the work is always carried out safely.
6. The following items of personal protective equipment (ppe) must be worn as a minimum:  
Impact resistant goggles: EN166 – B or BS2092 grade 1;  
Dust mask – a minimum of EN149 FFP3(s) protection;  
Ear muffs or plugs giving protection for levels up to 85 dB (A)  
Safety boots  
Gloves
7. This machine must not be used by minors or by anyone under the influence of drugs or alcohol.
8. This floor saw is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it..



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1. The machine will only operate on 230 volts from a 32 amp industrial supply. No attempts should be made to change the plug or tamper with it in any way.
2. It must be plugged into a corresponding 32 amp socket.
3. If an extension cable is required any special instructions provided by the hire company must be followed. A suitably rated heavy duty cable should be used, not longer than 50 metres (60 feet).
4. The plug and socket on the extension cable must match the plug on the socket on the machine. If the plug and socket do not match it may be the wrong extension cable. Do not use it – check with the hire company.
5. The extension cable should be laid out carefully, avoiding liquids, sharp edges, doorways or windows where it may become trapped and placed where vehicles may run over it. It should be unrolled or it will overheat and could catch fire.
6. All extension cable connections should be checked to make sure that they are dry and safe.



## ELECTRICAL SAFETY



## Before Starting Work...

Useful Reference Points • [www.hae.org.uk/businessguard](http://www.hae.org.uk/businessguard)

1. The following items of personal protective equipment should be worn as a minimum when using this machine. Particular jobs or environments may require a higher level of protection.
  2. Impact resistant goggles must be worn when using this machine.
  3. This equipment is likely to cause noise levels up to 97 dB(A) – appropriate ear muffs or plugs giving hearing protection to this level as a minimum must be worn.
  4. An appropriate dustmask (with a minimum of EN149 FFP3(s) protection) must be worn when cutting material that may cause dust.
  5. Safety Boots.
  6. Anyone who is working nearby will also need to wear appropriate personal protective equipment.
- ### FLOOR SAW
1. Check the machine, cables and plugs and all equipment. Anything found to be damaged must not be used – contact the hire company.
  2. Used – contact the hire company. When fitting diamond wheels the bore size must be checked to ensure it is the same size as the spindle diameter. It is also important to comply with the direction of rotation mark on the wheel.
  3. This machine should not be used to cut asbestos or materials containing asbestos.
  4. The pointer arm can be swung out of the way when not in use. It should be checked and adjusted ready for use.
  5. If 'dry cut' cutting wheels are not being used fill the water tank and check the water flow onto the cutting wheel.
- ### CUTTING WHEELS
1. Abrasive wheels must not be fitted or changed unless the operator is competent to do so.
  2. The saw should be switched off and unplugged before changing the cutting wheel.
  3. Only use the correct type of cutting wheel recommended by the hire company for the material being cut.
  4. Check the speed stated on the label of the cutting wheel to be used, and the speed shown in the floor saw. The cutting wheel should be certified to a higher level than that shown on the machine.
  5. When fitting diamond wheels the bore size must be checked to ensure it is the same size as the spindle diameter. It is also important to comply with the direction of rotation mark on the wheel.
  6. Abrasive wheels fitted to this floor saw are for cutting on the edge only. Any side pressure could shatter the guard should be in place and adjusted correctly.
  7. Operators should make sure that they understand all of the controls. Before starting the machine they must know how to stop it.

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