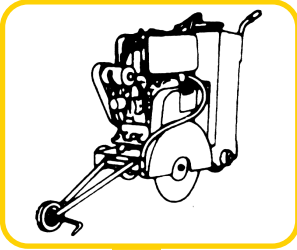




Safety Instructions

THESE INSTRUCTIONS MUST BE READ BY THE OPERATOR BEFORE USING THE SAW.



5.4 Floor Saws

- This equipment is designed to be operated by someone with normal ability. Persons with a disability or injury must assess whether their disability, when using the equipment, will affect their health and safety and the safety of others.
- It should only be operated by someone with experience of similar equipment.
- This equipment must not be used by anyone whose competence is impaired, for example by drink or drugs.

- 1 The floor saw must be operated correctly according to the manufacturer's or owner's operating instructions, which are available on request if required.
- 2 Wear personal protective equipment; safety goggles and boots with steel toecaps must be worn. A dust mask must be worn when cutting dry. Masonry, concrete and stone dust can give rise to silicosis.
- 3 When noise levels are uncomfortably high over 80dB(A), it is advisable to wear hearing protectors.
- 4 If higher noise levels occur regularly when it is necessary to shout to be heard, (85dB(A) and above) the law requires that hearing protectors must be worn.
- 5 **CHECK** that all guards are secure. **NEVER** operate the machine with missing or defective guards.
- 6 Only use the specified blades and ensure that they are sharp and in good condition. The direction arrow on the blade must match that on the machine.
- 7 **CHECK** that the blade is mounted correctly otherwise dangerous pounding and vibration will occur.
- 8 **CHECK** the blade for cracks by tapping it and listening to the "ring".
- 9 **DO NOT** use a badly worn or damaged blade, they can be dangerous.
- 10 **CHECK** that all persons and animals are clear of the saw.
- 11 **CHECK** that the blade is clear of the ground before starting the saw.
- 12 **ALLOW** the blade to reach full speed before starting the cut.
- 13 **DO NOT** stand directly in line with the blade when it cuts.
- 14 **DO NOT** apply side pressure to the blade.
- 15 **DO NOT** force the saw, a gentle and steady push forward is safer and gives a better cut.
- 16 Hold the machine firmly during cutting.
- 17 **CHECK** that the machine is off and cannot be accidentally started before making adjustments or changing the blade.
- 18 **DO NOT** change an abrasive disc unless you have been trained in changing "abrasive wheels" and hold a current certificate. (This does not apply to diamond saw blades).
- 19 **DO NOT** leave the machine running when unattended.
- 20 **DO NOT** attempt repairs. Contact the Hire Company.

Floor Saws Powered by Electricity

- 21 **CHECK** that the voltage of the supply is correct. The saw will be either 110 volts or 230 volts.
- 22 The use of a low voltage saw at 110V (CTE) would effectively eliminate the risk of death and greatly reduces the degree of injury from an electric fault.
- 23 Use a saw with the lowest possible voltage to suit the job.
- 24 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.
- 25 When using a 230V floor saw the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:
 - a) Use RCD power breakers at the supply socket to give protection for both the equipment and its power cable.
 - b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
 - c) Position power cables where they are less likely to be damaged.

d) The equipment cables and RCDs should be checked every day (or every shift) using the following as a guide:

- **CHECK** that bare wires are not visible
- make sure that cables are not damaged and free from cuts and abrasions (apart from light scuffing)
- **CHECK** that the plug is in good condition, the casing is free from cracks, the pins are not bent or the socket is not blocked with debris or dirt
- **ENSURE** that there are no taped or other non-standard joints in the cable
- **CHECK** that the cable covering has not been pulled out of the grips at the plug or equipment. (The coloured insulation of the internal wires should not be visible)
- **CHECK** the outer casing of the equipment for damage and check for loose or missing parts or screws
- make sure that there are no overheating or burn marks on the plug, cable and equipment
- **CHECK** the operation of the RCD power breaker by operating the test button.

26 Floor saws should be checked weekly as in 25(d) above.

27 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.

28 If the automatic cut-out operates, **ALLOW** the motor to cool before re-starting.

29 **DO NOT** use the saw in damp, wet or flammable conditions.

30 **DO NOT** carry the machine by its cable or disconnect a plug by pulling its cable.

Floor Saws Powered by a Petrol or Diesel Engine

31 Before starting the engine the operator should familiarise himself/herself on how to stop it.

32 **DO NOT** smoke when refuelling. **NEVER** refuel with the engine running.

33 Replace the fuel caps securely on the engine and fuel container. Wipe up any spillage immediately.

34 Fuel containers should be in good condition and leak proof.

35 **DO NOT** use the floor saw in a hazardous or explosive atmosphere, or where fuel has been spilt.

36 **DO NOT** run the saw in a badly ventilated area or where exhaust fumes can sink into a basement or excavation.

37 **CHECK** that there is no combustible material lying on or against the exhaust system. The exhaust pipe and silencer get very hot.

38 In the event of a leak of fuel or oil developing, switch the engine off immediately.

39 If warning lights show or gauges register outside normal limits, switch off the engine.

Floor Saws Powered by Compressed Air

40 **CHECK** that hoses and couplings are not damaged. A hose failure can cause injuries.

41 Air hoses must be blown out before connecting to the saw. Hold the open end securely and open the air cock **CAREFULLY**. A blocked hose can become an air gun.

42 **CHECK** that all couplings are secure after connecting up. If a coupling parts the hose will 'whip'. **NEVER** attempt to catch and hold it down, turn off the air.

43 **DO NOT** lift the saw by its compressed air hose.

44 Only use compressed air for cleaning down equipment with extreme caution. Use eye protection and ear defenders.

45 **DO NOT** use compressed air to clean yourself and **DO NOT** direct it at another person.

46 **CHECK** that air pressure is released from the hose before disconnecting any coupling.



The UK's Leading Association for Plant & Equipment Hire Professionals

CPA. 27/28 Newbury Street, Barbican, London EC1A 7HU

Tel: 020 7796 3366 Fax: 020 7796 3399

Email: enquiries@cpa.uk.net www.cpa.uk.net

This leaflet is one in a comprehensive series of equipment safety instructions available from the CPA