

- 16 Hold the machine firmly during cutting.
- 17 **CHECK** that the machine is switched off and isolated 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 saws at 110V (CTE) will effectively eliminate the risk of death and greatly reduce 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.



CPA. 27/28 Newbury Street, Barbican, London EC1A 7HU.
Tel: 020 7796 3366. Fax: 020 7796 3399.
Email: enquiries@cpa.uk.net
Website: www.cpa.uk.net