



Rcd should be:

- Installed in a dustproof and weatherproof enclosure... Protect against mechanical damage and vibration; Checked daily by operating the test button; Inspected weekly together with the equipment it is supplying during the formal visual inspections; Tested every three months by an electrician using appropriate electrical test equipment.

2. Supply leads

- Positioning them where they are less likely to be damaged, (e.g., run them at ceiling height inside a building); Protecting them inside impact resistant conduit where appropriate; Using special abrasion resistant or armoured flexible supply leads where appropriate.

3. Tools

Select tools that are designed for trade and work use. Double insulated equipment is strongly recommended where it is necessary to use a

mains voltage supply, because the tools themselves are less likely to give rise to danger. (Danger can still arise, however, if the cables, plugs or equipment casing are damaged).

4. Checks

- Visual checks by the user each time the tool is used; Formal visual checks by a trained person on a regular basis; Combined inspection and testing by a trained person at suitable intervals depending on the risk of damage and the potential for injury;

USING ELECTRICAL EQUIPMENT

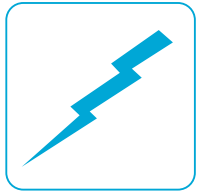
- If a cable appears to be cut or damaged in any way, switch off and unplug at the mains before inspecting it; Take care not to accidentally pull the plug from the socket; Switch off and unplug before leaving the machine unattended; If the equipment does not work properly, do not attempt to repair it.

110/230v Electricity

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 starting work

- Electricity is hazardous and must always be used with great care; Water and electricity make a very hazardous combination; If you have not used electrical equipment before, familiarise yourself with the cables, plugs and sockets before connecting to the electrical supply; Plan your work and think ahead to make sure you will always be working safely; The following items of personal protective equipment is a minimum requirement: rcd if using a 230 volts (mains) supply; Particular items of equipment or environments may require a higher level of personal protective equipment; Electrical equipment must not be used by minors, or by anyone under the influence of drugs or alcohol; Electrical equipment is designed for operation by an able bodied adult.



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



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Residual current devices protect people who may receive an electric shock by filling non-adjustable residual current devices (RcDs) with a rated tripping current of 30 mA. RcDs should be installed either at the distribution board which feeds the mains supply sockets or at the fixed main supply socket.

PRECAUTIONS

The HSE consistently recommended 110v systems as the best solution for reducing risk from portable, hand-held tools and transportable equipment. A risk assessment carried out by the planning supervisor (or other person responsible for health and safety on site) is likely to indicate that risk of electric shock is most effectively controlled by the use of 110v equipment.

RISK ASSESSMENT

If 230v is selected for portable tools and equipment on construction sites, the risk of injury or death arising from the use of damaged or faulty equipment, leads or plugs is unacceptably high unless special precautions are taken.

- Check the equipment, cables, plugs and sockets, if anything is found damaged, do not use it - contact the hire company; Lay the extension cable out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped; Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped; Make sure that any extension cable connections are dry and safe.



Before Starting Work...

Useful Reference Points • www.hae.org.uk/businessguard

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110 VOLT MACHINES (YELLOW PLUGS)

- If using a portable transformer, plug the transformer directly into the 230 volt socket; Equipment designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug; The equipment 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.



WORK AREA

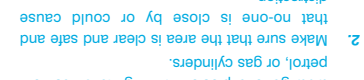
- Do not use electrical equipment where there is a danger of explosion; Make sure that the area is clear and safe and that no-one is close by or could cause distraction; Protect other people from any noise and dust the work may produce; Keep electrical equipment away from rain and water.

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OPERATORS

- The following items of personal protective equipment (PPE) are the minimum that should be used whenever using electrical equipment; Particular jobs or environments may require a higher level of protection; A rcd if using a 230v (mains) supply; Personal protective equipment appropriate to the machine / equipment being used will be required to be worn; Anyone who is working close by will also need to wear appropriate personal protective equipment.



EQUIPMENT

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