

Before Starting Work

AAHA XHOW

- a danger of explosion. It will ignite fumes from Do not use electrical equipment where there is -1
- Make sure that the area is clear and safe and .s petrol, or gas cylinders.
- distraction. that no-one is close by or could cause
- Protect other people from any noise and dust 31
- Keep electrical equipment away from rain and ·• away, put partiers around the work area. τυς work may produce. warn others to keep

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- higher level of protection. Particular Jobs or environments may require a pe need whenever using electrical equipme bluods that muminim and are the should 1. The following items of personal protective
- the machine / equipment being used will Personal protective equipment appropriate to • An rcd it using a 230v (mains) supply.
- to wear appropriate personal protective Anyone who is working close by will also need .s require to be worn.

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- sockets. If anything is found damaged, do not Check the equipment, cables, plugs and LNAMENI
- cables match the supply. Do not try to force Check that the plugs and sockets on the .s use it - contact the hire company.
- supply. The hire company will have provided a plug titted is designed to run off a special 10v Equipment with a cylinder yellow industrial 3 connections or improvise them.
- powered from a normal mains 230v supply. If portable transformer if the equipment is to be

ibility for any loss or liability perc

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Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting materia

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2011 Safety Guidance

It is important to read this entire leaflet

BEFORE starting work

Electricity is hazardous and must always be used with great

Water and electricity make a very hazardous combination.

If you have not used electrical equipment before, familiarise

Keep electrical equipment away from rain and water.

using a 230 volts (mains) supply.

protective equipment.

drugs or alcohol.

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.

yourself with the cables, plugs and sockets before connecting to the electrical supply.

The following items of personal protective equipment is a minimum requirement: rcd if

Particular items of equipment or environments may require a higher level of personal

Electrical equipment must not be used by minors, or by anyone under the influence of

Electrical equipment is designed for operation by an able bodied adult. Anyone with either a

temporary or permanent disability must seek expert advice before using it.

eading. HAE/EHA cannot accept respo

Plan your work and think ahead to make sure you will always be working safely.

44 (0) 121 333 4109 44 (0) 121 380 4600











over heat and could catch fire.

transformer and the machine.

plug the transformer directly

nnstructions below for the equipment.

plug fitted, or blue industrial plug.

If using a portable transformer,

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hicles might run over it. Unroll it fully or it will

where it might be trapped, and places where

ιισαίας, sharp edges, σοοίναλς οι windows

Lay the extension cable out carefully avoiding

csble must only be used between the

longer than 50 meters (160 feet). An extension

rated heavy duty 110v extension cable, not

any special instructions, only use a suitable

company. If the hire company have not given

special instructions given by the hire

If an extension cable is required, follow any

into the 230 volt socket. Do not use any 230v

plug titted, or a blue industrial plug. Head the

machines will have either a normal square pin

will have a yellow industrial plug fitted. 230v

voltage: it will be 110v or 230v. 110v machines

The equipment will only operate on one

mains will have either a normal square pin

Equipment designed to run directly from 230v

take care not to injure yourself when moving it

a portable transformer has been supplied,

about – it may be heavier than you thin

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is accurate and not misl

care

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For guidance on managing

construction health risks go to

www.hse.gov.uk/construction

Rcd should be:

vibration:

inspections:

2. Supply leads

damaged by:

3. Tools

Sel

Installed in a dustproof and weatherproof

enclosure (see the manufacturers instructions) or designed for use in the dusty

Protect against mechanical damage and

Checked daily by operating the test button;

Inspected weekly together with the equipment

it is supplying during the formal visual

Tested every three months by an electrician

using appropriate electrical test equipment.

Note: The tests should not be carried out on

rcds at a time when loss of power may

Reduce the risk of flexible supply leads being

Positioning them where they are less likely to

be damaged, (e.g., run them at ceiling height

Protecting them inside impact resistant

Using special abrasion resistant or armoured

ct tools that are designed for trade and work

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In the tool.

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PRECAUTIONS

use of 110v equipment.

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RISK ASSESSMENT

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The Crescent

flexible supply leads where appropriate.

use. Double insulated equipment is strongly

recommended where it is necessary to use a

fitted close to the tool only protect from faults

from faults in both the cable and tool. Rcds

these positions they will provide protection

or at the fixed main supply socket. In either of

should be installed either at the distribution

with a rated tripping current of 30 mA. Hods

adjustable residual current devices (Rcds)

may receive an electric shock by fitting non

Residual current devices protect people who

supply on site. Other precautions, however, tall to

the person responsible for providing the electricity

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Some suitable precautions are shown below.

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and safety on site) is likely to indicate that risk of

supervisor (or other person responsible for health

risk assessment carried out by the planning

nand - neid tools and transportable equipment. A

as the best solution for reducing risk from portable,

precautions must reduce the risk to an acceptable

equipment, leads or plugs is unacceptably high

on construction sites, the risk of injury or death arising from the use of damaged or faulty

It 230v is selected for portable tools and equipment

SIMILAR ENVIRONMENTS WARNING

REALTION SITES AND OTHER USING 230V EQUIPMENT ON

uniess special precautions are taken.

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posid which teeds the mains supply socke

adversely affect other work activiti

inside a building) : and/or

conduit where appropriate; or

and outdoor environments:



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connections are dry and sate.

overheat and could catch fire.

4. Lay it out carefully avoiding

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one, not longer than 50

suitable rated neavy duty

instructions, only use a

alrecity into the rca.

5. Make sure that any extension cable

where it might be trapped, and place

venicies might run over it. Untoil tuliy of it will

liquids, sharp edges, doorways or windows

company have not given any special

special given by the hire company. If the hire

according to the instructions supplied with it.

working each time it is used. Reset the rod

help to protect against electric shock it the

socket. Plug the machine into the rcd. This will

Make sure that any extension cable connections

3. If an extension cable is required, follow any

Use the "TEST" button to check that the rcd is

cable or machine get damaged.

directly in to the 230volt

device ("rcd") plugged

Use a residual current

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are dry and sate.

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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). Any

restrictions on use set out in the manufacturers or

Regular maintenance checks should be made of

Visual checks by the user each time the tool is

Formal visual checks by a trained person on a

Combined inspection and testing by a traine

risk of damage and the potential for injury:

USING ELECTRICAL EQUIPMENT

person at suitable intervals depending on the

If a cable appears to be cut or damaged in

anv way, switch off and unplug at the mains

before inspecting it. If the cable attached to a

machine is damaged, stop using the machine

Contact the hire company. If an extension

cable has been damaged, do not use it again.

Take care not to accidentally pull the plug

Switch off and unplug before leaving the

If the equipment does not work properly, do

not attempt to repair it. Contact the hire

all electrical equipment. These should include:

supplier's instruction should be observed.

4. Checks

used:

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4.

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

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regular basis.

from the socket.

machine unattended.

