

Before Starting Work.

SHOIAHAYO

- equipment (PPE) are the minimum equipment of the sun user you use this should be worn whenever you use the standard of the sta The following items of personal protective
- levels up to 102 dB(A) wear appropriate may require a higher level of protection. This equipment is likely to cause noise .S machine. Particular jobs or environments
- 3 Or this level as a minimum. ar muffs or plugs giving hearing protection
- You will need to wear an appropriate dust mask (with a minimum of EN149 FFP3(s) You must wear impact resistant goggles when you are working with this floor grinder.
- You must wear safety boots. that causes dust. protection) when you are planning material
- Anybody who is working near to you will also not spercoral also not been to wear appropriate percoral

protective equipment.

- Check your machine, engine, and all equipment. Do not use anything found FLOOR GRINDER
- yourself when moving it about it may be heavier than you think. Units designed to run directly from 230v mains will have either 230v supply. If a portable transformer has been supplied, take care not to injure to power the machine from a normal mains damaged - contact the hire company. Units with a cylindrical yellow industrial plug fitted are designed to run off a special 110 supply. The hire company will have provided a portable transformer if you need provided a portable transformer and a normal mains to power the machine from a normal mains
- Use only the correct type of abrasive attachments recommended for the 31 a normal square pin plug fitted, or a blue industrial plug.
- . Sompany. machine and for the job by the hire
- Vibration from using this floor grinder can be
- hazardous. Warm your hands up before you start work, and wear gloves to keep your
- Jands warm while you are working.
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- Make sure that you understand all of the controls. Before you start the machine, you

Frank Key. TOOL HIRE

- must know how to stop it.

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0220 Safety Guidance

It is important to read this entire leaflet **BEFORE using the Floor Grinder**

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

Electricity is dangerous and must always be used with great care.

This floor grinder is designed for grinding concrete surfaces, removing loose surface material or ridges, preparing the surface

The action of this floor grinder can cause injury or damage if the

permanent disability must seek expert advice before using it.

Do not use this floor grinder in the rain or where it might get wet.

This machine may damage pipes or cables laid just beneath the surface

effort has been made by HAE/EHA to ensure that the information given in this docum

You must use the appropriate attachments.

ing; it can also be used for removal of dry grease or paint.

Floor Grinder

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.

machine is not used in a careful and controlled way. If you have not used a floor grinder before, familiarise yourself with the machine on some

You must have at least the following items of personal protective equipment: impact resistant

goggles; dust mask; ear muffs or plugs giving protection for levels up to 102 dB(A); safety boots; overalls and gloves; rcd if using a 230 volt (mains) supply.

This machine must not be used by minors, or by anyone under the influence of drugs or alcohol. This floor grinder is designed for operation by an able bodied adult. Anyone with either temporary or

Do not use this machine where there is a danger of explosion. It will ignite fumes from petrol, or

Make sure that the area is clear and safe and that no-one is near to you or could distract you.

Protect other people from the noise, debris, and dust. Warn others to keep away, put barriers

If your machine has a vacuum dust collection system then you should work with a dry surface.

he dust collection will be more efficient. You must still wear a dust mask with a minimum of

For guidance on managing

construction health risks go to

www.hse.gov.uk/construction

Using the Floor Grinder

Make sure the machine is running at full speed before lowering the abrasives carefully onto the

When grinding or scouring, move the machine over the floor in a circular scything motion. If using wire brushes you should pull the machine backwards, taking care not to trip. This will avoid

Take care not to damage any finish floor surfaces by operating the machine while moving to your work area and positioning the floor grinder.

While working, keep a lookout for any obstructions in your path, stop the floor grinder and clear them out of the way. Be especially careful to keep the electric cable clear of the abrasive discs.

As the abrasives wear you must adjust the tilting handle to maintain a level contact between

Do not adjust the tilting handle in an effort to increase the pressure onto the floor. This will not

You must stop the engine if you need to change the abrasive attachments or make any

Watch out for signs that vibration from the work may be affecting your hands. If your fingers start

to tingle or feel numb, take a short break from work. Exercise your fingers to encourage blood

To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep

If you think the cable may be cut or damaged in any way, switch off and unplug at the socket

before inspecting it. If the cable attached to the drive unit is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.

If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

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

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Wear all your protective equipment including ear defenders and goggles

If the machine starts to labour, reduce the depth of cut and make two passes

do the job faster but will wear out the abrasive attachments much quicker.

You may want to read this leaflet again. Please keep it until you finish work.

Always grip the floor grinder correctly with two hands while working

compacting the loosened surface debris by not walking over it.

Periodically check, and tighten the wedges as necessary.

your hands warm - wearing gloves may help do this.

Take care not to accidentally pull the plug from the socket.

Stop the unit and unplug it if leaving the machine unattended.

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Make sure that any extension cable connections are dry and safe.

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edges, doorways or windows where it might be trapped, and places where

Lay it out carefully avoiding liquids, sharp

than 50 metres (160 feet). Plug it directly

any special instructions, you should only use a suith on to for the first first first suith of the first fir

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cording to the instructions supplied is working each time you use it. Reset the

Use the "TEST" button to check that the rod

This will help to protect you against electric shock if the cable or machine get

Make sure that any extension cable

Unroll it fully or it will overheat and could

places where vehicles might run over it.

avoiding liquids, sharp edges, doorways or windows where it might be trapped, and

rgy the extension cable out carefully

(160 feet). You must only use an extension cable between the transformer and the

will overheat and could catch fire.

company have not given

hire company. If the hire

It you need an extension

socket. Plug your machine into the rcd.

directly in to the 230voit Use a residual current device ("rcd") plugged

(золяве рій ор веле рела)

connections are dry and safe.

230 VOLT MACHINES

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only use a suitably rated heavy duty 110v extension cable, not longer than 50 metres

given any special instructions, you sho

hire company. If the hire company have no

If you need to use an extension cable

It you are using a portable

will have either a normal square pin plug fitted, or a blue industrial plug. Read the instructions below for your machine.

vellow industrial plug fitted. 230v machin

Your machine will only operate on one voltage: it will be 110v or 230v. 110v machines will have

and tighten the wedges as necessary.

11. While you are working, the wedges may gradually become loose. You should periodically stop the machine and check,

machine to ensure the abrasives are resting evenly on the floor. The machine is

Rotate the tilting handle to adjust the

Lift the handle to stand the machine

hardwood wedges supplied by the hire

Do not use any other wedge except those

It a hardwood wedge is damaged or worn, do not use it, replace it.

on each housing or disc; always use the same abrasive throughout.

Do not use different abrasive attachments

any 230v extension cables.

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transformer, plug the transformer directly into the 230 volt socket. Do not use

110 VOLT MACHINES (YELLOW PLUG)

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WORK AREA

gas cylinders

around your work area.

EN149 FFP3(s) protection).

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wedge firmly home. machine and the housing. Hammer each

°t the replacement attachments. Before changing the abrasive attachments, note how they fit so you will know how to fit

- out the hardwood wedges, place ex replacement abrasive attachment in bjace each Remove the old attachments by knocking

rests on the ground, to show the two discs that hold the abrasive attachments.

Tilt the machine back, so that the handle

Make sure the grinder is switched off and

on each housing or disc; always use the same abrasive throughout.

Do not use different abrasive attachments

Each abrasive attachment is held in by a hardwood wedge.

and shape and can easily be interchanged,

abrasive attachments are the same size

grinding stone; a box containing three scouring wheels; or a wire brush. The

These abrasive attachments can be a

attachments located concentrically around

There are two discs that rotate on the underside of the floor grinder. Each disc has three changeable abreated

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abrasive

- appropriate housing.
- hardwood wedge between the side of the stone or box nearest the centre of the Secure each one in turn by inserting a **'**G