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Using the Pressure Washer

1. Wear protective equipment including goggles and waterproof overalls.
2. Hold the lance in both hands when squeezing the trigger because the water pressure will make it "kick back".
3. Do not aim the water jet at yourself, any other persons, or any animals. It will cause an injury.
4. Do not spray the water jet over any electrical equipment. This could cause a short circuit and fire. This could cause a fatal electric shock.
5. If the cable is cut or damaged in any way, dry your hands switch off and unplug at the mains before inspecting it. If the cable attached to the pressure washer is damaged, stop using the equipment. Contact the hire company. If an extension cable has been damaged do not use it again.
6. If you suspect there is a fault in the electricity supply to the socket, do not attempt to repair it. Contact a competent electrician.
7. Take care not to accidentally pull the plug from the socket.
8. Switch off and remove the plug from the socket before leaving the machine unattended.
9. Do not connect or disconnect a pressure hose or lance while the washer is pressurised. Turn off the water pump motor, and squeeze the lance trigger to release the pressure.
10. Switch off the washer at the mains and squeeze the lance trigger to release the pressure when not in use.
11. If working in cold conditions, make sure that the water in the machine will not start to freeze when not in use.
12. After work turn the detergent off or remove the detergent feed. Run the washer on just water to flush the detergent out. Then turn off the water pump motor, and squeeze the lance trigger to release the pressure. Dry hands, switch off at the mains and unplug the washer.
13. Drain the machine if there is any danger of overnight frost.
14. Make sure that all the water filters are cleaned and properly protected before storing the machine.
15. If the equipment does not work properly do not attempt to repair it. Contact the hire company.

Keep this leaflet safe as it may be required for reference at a future date

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Pressure Washer

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 all of this leaflet BEFORE you use the Pressure Washer

1. Plan the use of the pressure washer so it can always be used safely.
2. Electricity is dangerous and must always be used with great care.
3. Water and electricity make a dangerous combination. Keep water away from electrical parts.
4. This pressure washer is designed for high pressure water washing.
5. The action of this pressure washer can cause injury or damage if the equipment is not used in a careful and controlled way.
6. If you have not used a pressure washer before, take time to familiarise yourself with how the equipment works before starting to use it.
7. Plan and think ahead to make sure you will always be working safely.
8. The following personal protective equipment should always be worn

   Impact resistant visor or goggles; Waterproof overalls; Waterproof boots; Gloves;

   Red if using a 230 volt (mains) supply.
9. This equipment must not be used by minors, or by anyone under the influence of drugs or alcohol.
10. This pressure washer is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

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Before Starting Work...

WORK AREA

1. Do not use this pressure washer where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Do not use this pressure washer in the rain or where the electrical parts might get wet.
3. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
4. Protect other people from the noise and water spray. Use a wash bay, or erect barriers. Make sure you have good drainage for the waste water.
5. Set up the work area so that there is no danger of water being sprayed onto the electricity supply socket.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this pressure washer. Particular jobs or environments may require a higher level of protection.
2. Impact resistant visor or goggles must be worn when working with this machine.
3. You should wear overalls, boots, and gloves that are waterproof.
4. Anybody who is working near to you will also need to wear appropriate personal protective equipment.

PRESSURE WASHER

1. Check the pressure washer, cables, plugs, high pressure water hoses and all equipment. If anything is found damaged, do not use the pressure washer contact the hire company.
2. Check that the plug on your equipment matches your supply. Do not try to force connections or improvise them.
3. Equipment with a cylindrical yellow industrial plug fitted is designed to run off a special 110v supply. The hire company will have provided a portable transformer if you need to power the equipment from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about – it may be heavier than you think. Equipment designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
4. Use only the hose supplied with the machine. Ensure it is laid out safely with no kinks, away from where vehicles may run over it.
5. Extension hoses may have been supplied by the hire company. These allow you to work further away from the electricity supply, without having to use long extension cables. Always use extension hoses instead of extension cables if possible.
6. Make sure that all the pressure hose connections are firm and tight.
7. Make sure that none of the hose connections get dirty when you are setting-up the machine.
8. Make sure you understand all of the controls. Before you switch on the washer, you must know how to control it and switch it off safely.

WATER SUPPLY

1. If your supply is from a water tank make sure the water is clean.
2. You must use a suitable filter if you are in any doubt about how clean your water supply is.
3. If using chemicals or detergents, follow the instructions supplied with them. Use only the recommended detergent.

ELECTRICAL SAFETY

1. Do not touch any switches, plugs, or sockets unless your hands are dry.
2. Make sure the pressure washer is switched off before you plug it in to the supply.
3. Do not use an extension cable unless it is necessary to do so.
4. Using extension hoses is a much safer way of working at a distance from the electricity supply.
5. If you have to use an extension cable, it must e the same heavy-duty specification as the cable fitted to the pressure washer, with a splash proof socket.

ELECTRICAL SUPPLY

The equipment will only operate on one voltage: it will be 110v or 230v. 110v equipment will have a yellow industrial plug fitted.

230v equipment will have either a normal square pin plug fitted, or a blue industrial plug.

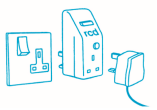
Read the instructions below for your equipment.

110 VOLT EQUIPMENT (YELLOW PLUG)

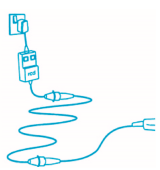
1. If you are using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables.
2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty 110v extension cable with a splash proof socket, not longer than 50 metres (160 feet). You must only use an extension cable between the transformer and the equipment.

3. Lay the extension cable out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
4. Make sure that any extension cable connections are dry and safe.

230 VOLT EQUIPMENT (SQUARE PIN OR BLUE PLUG)



1. Use a residual current device (“rcd”) plugged directly in to the 230volt socket. Plug the equipment into the rcd. This will help to protect you against electric shock if the cable or equipment gets damaged.
2. Use the “TEST” button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy-duty extension cable with a splash proof socket, not longer than 50 metres (160 feet). Plug it directly into the rcd.



4. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
5. Make sure that any extension cable connections are dry and safe.

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Portable Transformer

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 all of this leaflet

BEFORE you use the Transformer

1. Plan work ahead to ensure safe working at all times.
2. Electricity is dangerous and must always be used with great care.
3. The transformer is designed to reduce mains voltage to a lower, safer value. It can supply electricity safely up to its rated power.
4. Do not use it to do anything else – misuse or damage can cause electric shock or fire.

BEFORE STARTING WORK

1. Check the transformer case, plug and cable. Do not use if found to be damaged in any way – contact the hire company.
2. The transformer will get warm in use. Air vents in the case must be kept clear at all times. Make sure the heat from the transformer will not damage any floor coverings that it is standing on.
3. Do not use the transformer where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
4. The transformer may switch itself off if it gets too hot. Allow the transformer to cool down and reset the trip switch before using again.

Continued overleaf...

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BEFORE STARTING WORK *Continued*

5. Check the transformer's power rating against the power usage of the tools being used.

6. The transformer's rating will be shown on the case. "1kvA" means it can supply approx. 800 watts, "2kvA" means it can supply approx. 1600 watts. Check the labels on the tools to find their power usage.

7. The transformer can supply portable tools in normal use up to this power. The short pauses that are common when using a portable tool will prevent the transformer from getting too hot.

8. Distribution boxes can be used to supply two or three tools together, as long as their total power usage is less than the transformers power rating.

9. Equipment which uses power all the time, eg. Floodlights, may cause problems. The transformer can only safely supply about half its rated power to a continuous load like this.

10. The transformer and any cable connections should be in a dry and safe place. Ensure no vehicles will run over the cable.

11. Only use extension cables on the 110v side when working away from the 230v mains socket. The transformer should stay plugged directly into the 230v mains socket.

NOTE: When using a portable transformer to power heaters it is advisable to use a more suitable vented continuous transformer.

OPERATING QUESTIONS AND ANSWERS

Q. Why should I use a transformer at all?

A. The transformer reduces the voltage of the electricity supply to a much safer value. A shock from a damaged 110 volt cable or tool will be much less dangerous than one from a 230 volt supply. But the tool used must be made for use on 110 volts.

Q. What about residual current device?

A. You can use an rcd (residual current device) at the 230v supply to give additional protection on the 230v cable and transformer case (if metal). An rcd will not give protection on the 110v cable

Keep this leaflet in a safe place until work is finished as it may need to be referred to again.

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