

STARTING AND STOPPING THE ENGINE

1. If the hire company have given you special instructions, follow them. If not, follow the instructions below.
2. Check the oil and fuel levels.
3. Turn the ON/OFF switch to ON and turn the fuel tap on.
4. Open the throttle control a little.
5. Make sure that you hold the drive unit firmly so it will not move when you pull the starter.
6. Pull the starter cord slowly until you can feel that the starter has engaged with the engine, then pull it quickly and strongly. Don't pull it too far, or it may break.
7. Guide the cord back so that it recoils correctly.
8. If the engine has started adjust the throttle so the engine is idling. As the engine warms up open the choke lever.
9. To stop the engine, close the throttle lever, turn the fuel tap off, and turn the ON/OFF switch to OFF.

USING THE VIBRATING SCREED

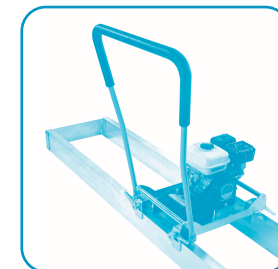
1. Wear your protective equipment including ear defenders, goggles and safety waterproof boots.
2. Ensure that all the guards and safety devices are correctly fitted and working properly.
3. Stop the engine before making any adjustments.
4. Stop work if someone approaches you.
5. Stop the engine if leaving the machine unattended.
6. You must clean the vibrating screed as soon as you have finished work before the concrete mix goes hard.
7. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.
8. You may want to read this leaflet again. Please keep it until you finish work.

Vibrating Beam Screed

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 using the Vibrating Beam Screed

1. Petrol is highly flammable. Take care not to cause a fire or explosion.
2. Cement mixes can be harmful to eyes, lungs, and skin. Follow any instructions given by the manufacturers of the cement products.
3. A vibrating beam screed produces high levels of vibration while in operation - see vibration - reducing the risk.
4. Vibrating screed machines are designed to produce a flat smooth surface on large areas of freshly laid concrete. The vibrating action reduces the amount of air trapped in the wet concrete.
5. The weight and vibratory action of this machine can cause injury or damage if it is not handled in a careful and controlled way.
6. If you have not used a vibrating screed before, familiarise yourself with how the machine works, and how to set it up before you start on the main task.
7. Plan how to do the job and try to foresee any problems that may occur so that you can safely deal with them.
8. You must have at least the following items of personal protective equipment: impact resistant goggles: EN166 - B or BS2092 grade 1; ear muffs or plugs giving protection for levels up to 96 dB(A); Safety waterproof boots to EN345 or BS1870/4972; gloves; overalls.
9. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
10. This screed machine is designed for operation by able-bodied adults. Anyone with either temporary or permanent disability must seek expert advice before using it.



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



CEMENT MIXES AND CONTACT DERMATITIS

1. Wet cement mix is a substance that can cause contact dermatitis.
2. Contact dermatitis is a rash that may occur when the skin reacts to certain substances. The rash can vary but it is usually itchy and causes flaky skin. The rash occurs only where the substance was in contact with the skin.
3. Wash cement mixes off your skin immediately. Thoroughly rinse out your eyes and seek medical advice if you get any type of cement mix in them.
4. Mild dermatitis will heal providing there is no further contact. If the rash persists, seek medical advice.

VIBRATION - REDUCING THE RISK

1. In cold conditions, make sure that you are warm before you start work, and that you will be able to keep warm and dry through the day. It is especially important to think about keeping your hands warm. Wearing gloves can help. Ask your supervisor or the hire company if you need gloves.
2. Check that you have the best equipment for the job. Forcing the vibrating screed to work faster may cause more vibration: you may have to grip it tighter to control it, and suffer more vibration. Talk to the hire company about the job that you plan to do, to check if you have the right equipment for the job.
3. Make sure that the equipment is in good condition: for example that the beams are free of hardened concrete, and that the engine runs properly.

Before Starting Work...



While you're working

4. Keep warm, especially your hands.
5. Check that the engine remains firmly bolted to the beams, transferring the full vibration efficiently.
6. Take short breaks regularly. Exercise your hands and fingers to keep them warm and flexible. At the end of the day.
7. If you have any persistent tingling or numbness in your fingers or hands - tell your supervisor. Show them this leaflet. If you are self employed, you should consider seeing a doctor.
8. If the equipment is faulty or is not suitable, arrange with the hire company or your supervisor to have this put right now so that you have suitable equipment ready for the next morning.
9. If you can, store the vibrating screed so that it will not get too cold overnight. Hired equipment should always be locked away to keep it safe from theft.

WORK AREA

1. Do not use the vibrating screed where there is a danger of explosion. It will ignite fumes from petrol. or gas cylinders.
2. Using this equipment indoors or in confined spaces could cause **fatal** carbon monoxide poisoning. **Never** use it in domestic premises and only use it in other indoor situations if its suitability

and the ventilation required has been **fully** assessed. Mechanical extraction ventilation will almost always be required.

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 wet cement. Warn others to keep away, put barriers around your work area.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use the vibrating screed. Particular jobs or environments may require a higher level of protection.
2. You must wear goggles (EN166 or BS2092) when you are working with this equipment.
3. This equipment is likely to cause noise levels up to 96 dB(A) wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
4. You must wear safety waterproof boots (EN345 or BS1870/4972). Remember that you may have to stand and work in wet concrete.
5. You should wear gloves, overalls with long sleeves and full trousers to prevent the mixes coming into contact with your bare skin.

6. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
7. Check the engine, the twin beams, and other equipment supplied with your machine. If anything is found damaged, do not use it - contact the hire company.
8. This machine is heavy and awkward to move. Get help to move it and set it up.
9. The vibrating action of the screed machine compacts the wet concrete, and reduces the amount of air trapped near the surface. It vibrates the large aggregate towards the bottom and brings more of the 'sand and cement' towards the top, helping to produce a smooth flat level surface.
10. The twin beams on some screed machines are fitted with pretensioning struts, which strengthen the rigidity between beams to ensure they produce a perfectly level surface.
11. Find out how all the controls work: before you start the machine you must know how to stop it.

REFUELLING

1. No smoking.
2. Stop the engine and let it cool down.
3. Clean the filler cap and the area around it to prevent dirt falling into the fuel tank.
4. Use a funnel and clean petrol when refuelling. Do not spill any fuel on yourself or the machine.
5. Wipe any fuel off the machine. Dispose of fuel soaked cloth carefully.
6. If you spill any fuel on the ground, wipe it up or cover it with soil.
7. If you spill any fuel on your clothes, change them straight away.
8. Put all fuel caps back on properly, and move your fuel can to a safe, cool place.