

The instructions recommended within this document apply to normal risk conditions. If the Cement Mixer is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.






This instruction should be read in conjunction with the Risk Assessment procedure for the Electric Cement Mixer.

Safety risks:

- Entanglement
- Impact and cutting
- Noise
- Electrocutation

WARNING: Do not wear loose fitted clothing or jewellery and ensure long hair is contained

You must wear this personal protective equipment when doing this task:

Foot Protection	Hearing Protection	High Visibility	Eye Protection	Dust Mask
				

Pre-Operational Check:

- ✓ Ensure task (e.g. Drawings, instructions, specifications etc) is clearly understood.
- ✓ Check that the accessories and attachments are properly fitted and that all guards and other safety devices are in place and working properly.
- ✓ Before you inspect any parts, make sure the power is turned off and the lead unplugged from the power source.
- ✓ Check workspace and walkways to ensure no slip/trip hazards are present. Ensure adequate lighting.
- ✓ Ensure the mixer is in a suitable safe work area and select a firm, level and stable ground surface.
- ✓ Ensure the power lead can be kept dry, off the ground and connected through an RCD safety switch.
- ✓ Identify ON/OFF switch and emergency stop button.
- ✓ Check the tyres for appropriate inflation. (If Applicable)
- ✓ Ensure all other employees are clear of the immediate work area.

Safe Operation:

1. Do not use in close proximity to other workers.
2. When you start up the machine, listen for unusual noises or vibrations.
3. Never use the electric mixer outdoors in the rain.
4. Never use mixer without all guarding in place.
5. Be conscious of your manual handling techniques when adding cement powder, gravel and sand to the mixer bowl using a shovel.
6. Avoid breathing dust – wear suitable dust mask or respirator in dusty areas.
7. Keep your hands and feet away from moving parts at all times.
8. Never leave the mixer running unattended.

Safe Operating Procedure Cement Mixer Electric

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We are located at:

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9. Ensure good housekeeping practices are in place to minimize waste build-up.

Storage & Maintenance:

1. Disconnect machine from power supply.
2. Empty the mixer drum of all contents.
3. While still wet, wash out with clear water.
4. Allow mixer to revolve to wash the interior and carefully clean off the exterior.
5. Avoid water entry into electric motor when washing exterior of machine.
6. Secure machine against movement when transporting.

Cement Mixer Electric Risk Assessment

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Likely Risk Issue	Who/ What may be harmed? (Specific Persons)	What is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Actions Needs to Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Entanglement & Entrapment	Participants Operators Spectators Staff	Severity of Risk (S) – 3 Likelihood of Risk (L) – 2 Overall Risk (S x L) = 6 MEDIUM	<ul style="list-style-type: none"> Operator to be trained in correct use of Electric Cement Mixer Cement Mixer to be used in compliance with manufacturer's instructions Ensure operator's hands and body parts are kept clear during operation and maintenance All Necessary guards and safety devices are in place protecting workers from all moving parts Safe work zones are clearly defined in areas where cement mixer is to be used 	Each hire
Noise and Vibration	Participants Operators Spectators Staff	Severity of Risk (S) - 1 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 2 LOW	<ul style="list-style-type: none"> Ensure adequate PPE is worn (e.g. Safety Glasses and hearing protection) Take regular breaks from continues operation Conduct periodic maintenance to ensure smoother operation and less vibration 	Each hire
Fire, Explosion & Electrocutation	Participants Operators Spectators Staff	Severity of Risk (S) - 2 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 4 MEDIUM	<ul style="list-style-type: none"> Ensure equipment is maintained and in good condition before use DO NOT USE FAULTY EQUIPMENT. REPORT IMMEDIATELY TO RAPID HIRE Use equipment as per manufacturers recommendations Power leads and extension cables are used only with caution in and around practical work area Ensure no hidden hazards such as electric wiring, water pipes, gas pipes etc 	Each hire
Slips, Trips and falls	Participants Operators Spectators Staff	Severity of Risk (S) - 1 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 3 LOW	<ul style="list-style-type: none"> Wear appropriate footwear Ensure appropriate cleaning and housekeeping practices are maintained to minimise the risk of slips, trips and falls 	Each hire

Calculation of Risk Evaluation

Severity of Risk (S) is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

Risk Likelihood (L) - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

Overall Risk is calculated by multiplying the figure for Severity (S) and Likelihood (L).

The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

NB This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.