

SOP - Concrete Mixer Electric

DO NOT use this plant* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator

This SOP may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Long and loose hair must be contained or covered.



Hearing protection must be worn



Foot protection must be worn



P2 face mask must be worn when airborne dust or fumes are created



Protective body clothing must be worn

POTENTIAL HAZARDS AND RISKS

- ⓘ Entanglement**
Entanglement in moving parts
- ⓘ Electrical Shock or Burn**
Electrical shock or burn from damaged or poorly maintained electrical leads and cables
- ⓘ Manual Task Injury**
Manual task injury from repetitive movements
Manual task injury from incorrect manual handling techniques
- ⓘ Cutting, Stabbing or Puncturing**
Injury from contact with moving parts
- ⓘ Slip, Trips, Falls**
Slip, trip, fall due to uneven or slippery work surfaces
Slip, trip, fall due to steep working surfaces
- ⓘ Other**
Injury due to plant malfunction or misuse
Skin irritation from cement or additives
Injury due to operating of plant in unsuitable weather conditions
Irritation from excessive dust

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete visual plant check before operation
- ✓ Confirm plant has a current electrical safety tag attached
- ✓ Check power lead is in good working order and does not create a trip hazard
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Ensure the mixer is in a suitable safe work area and select a firm, level and stable ground
- ✓ Check the tyres for appropriate inflation

OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ Ensure that the work area does not contain any hazards that may impact on the safe operation of the mixer
- ✓ Ensure that the power lead can be kept dry, off the ground and connected through an RCD safety switch
- ✓ Be conscious of your manual handling techniques when adding cement powder, gravel or sand to the mixer bowl using a shovel (or similar)
- ✓ Before making adjustments bring plant to a complete standstill and isolate

ENDING OPERATIONS

- ✓ Allow plant to cool before performing any maintenance or cleaning
- ✓ Empty the mixer of all drum contents
- ✓ While still wet, wash out with clean water, ensure this is done in a designated area
- ✓ Allow the mixer to revolve to wash the interior and carefully clean off the exterior
- ✓ Disconnect the AC power source
- ✓ Ensure plant is in good working order and stored in the appropriate location

DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not use electrical mixer outdoors in the rain
- ✗ Do not overload mixer
- ✗ Do not move the cement mixer during operation
- ✗ Do not insert hands into rotating mixing bowl
- ✗ Do not place tools inside mixer whilst turning
- ✗ Do not leave plant running unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

*Plant in this SOP refers to any machinery, equipment, appliance, container, implement and tool.