



PADDLE MIXER (110/230V)

SAFETY PRECAUTIONS & WARNINGS

It is in the interests of those operating this equipment, and for the safety of others, that these **SAFETY PRECAUTIONS & WARNINGS** are carefully read and understood before operating this equipment.

PURPOSE

1. This equipment is designed for mixing plaster, mortar, tile adhesives and paints. This equipment is available in either 110v or 230v operating versions.

Note: This equipment must not be used for mixing concrete or compounds containing aggregate.

PERSONAL SAFETY

2. This equipment is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it. It must not be operated by minors, or by anyone under the influence of drugs or alcohol.
3. If the equipment is not used in a safe, careful and controlled way, personal injury or injury to others may result.
4. Take the necessary precautions when handling some compounds, as they may be harmful to the eyes and lungs. Continued contact with some compounds may cause skin dermatitis, therefore wash hands thoroughly after contact with such compounds.
5. Before attempting to operate this equipment you must familiarise yourself with the equipment, its controls and operating characteristics.
6. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
7. When using this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
 - Ear defenders providing protection up to 89dB(A).
 - Safety waterproof boots to EN345 or BS1870/4972.
 - Dust mask giving a minimum of EN149ffp2(s) protection
 - Impact resistant goggles to EN166-B or BS2092 protection.
 - Appropriate industrial gloves.
 - Clothing appropriate to the work being done.

Note: Other types of work, or environment, may require a higher level of PPE

8. With regard to electrical safety implications when using this equipment, see the section on 'ELECTRICAL SAFETY' below.

ELECTRICAL SAFETY

9. The operating voltage of the mixer may be either 110v (yellow industrial plug connector), or 230v (square pin or blue plug connector).

110v MIXERS (YELLOW PLUG)

10. Only use a 110v portable transformer and only plug the transformer directly into the 230v socket.
11. To safeguard against electrical shock, always connect the mixer to the transformer via a residual current device (RCD).

12. Before using the equipment, press the 'RED' test button on the RCD to ensure that it is working. Re-set the RCD according to the instructions provided.
13. Only suitably rated, heavy-duty 110v extension cables, not longer than 50m (160ft), must be used between the transformer and the equipment. Do not use 230v extension cables.
14. When routing the extension cables, avoid immersion in liquids and trapping cables in windows, doorways and other areas that could cause damage to the cable. Avoid laying the cable in areas that are subject to site traffic. Ensure all connections are kept dry.

230v MIXERS (SQUARE PIN OR BLUE PLUG)

15. To safeguard against electrical shock, always connect the equipment into a residual current device (RCD) that in turn is connected to a 230v power supply.
16. Before using the equipment, press the 'RED' test button on the RCD to ensure that it is working. Re-set the RCD according to the instructions provided.
17. Only suitably rated, heavy-duty 230v extension cables, not longer than 50m (160ft), must be used between the mains (RCD) and the equipment.
18. When routing extension cables, avoid immersion in liquids and trapping cables in windows, doorways and other areas that could cause damage to the cable. Avoid laying cables in areas that are subject to site traffic. Ensure all connections are kept dry.

Note: The equipment is fitted with a no volt return (NVR) switch which will only stay in the 'ON' position when supplied with electrical power. Should the power supply be interrupted, this switch will move to the 'OFF' position. This prevents the equipment from operating (putting the paddles under undue stress) once the power supply is restored.

OPERATING AREA SAFETY

19. Before commencing work, ensure that the area you are to operate the equipment in is a safe environment. Erect safety barriers and warning signs as necessary.
20. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.).
21. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers around your work area.
22. Always switch-off and unplug the equipment from the power supply before attempting to move it, clean it or carry out any adjustments.
23. Protect others from noise and wet compounds.
24. Ensure your work area is well lit and ventilated.
25. Never leave the equipment running and unattended.
26. Anybody who is working near to you will also need to wear the appropriate PPE.
27. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

BEFORE OPERATING THE EQUIPMENT

SAFETY CHECKS

28. Visually inspect the equipment and all its accessories (motor, mixer, paddles, stand, cables, plugs, sockets, safety barriers, etc.) for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.

- 29. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
- 30. Before you start the equipment, you must know how to '**STOP**' it in an emergency.

OPERATING THE EQUIPMENT

USING THE EQUIPMENT

- 31. The equipment must be sited on firm and level ground before commencing work. Move the equipment using the transport handle and wheels attached.
- 32. Tilt the motor head rearwards, using the handle provided, and lock in position using the thumbscrew lock.
- 33. Place, and position correctly, the mixing tub in the base frame of the equipment.
- 34. Pour-in the correct quantities of compounds and liquids into the tub.
- 35. Before lowering the motor head into the tub, ensuring the mixing paddles are positioned parallel to the base frame of the equipment and then lower the motor head. Secure using the thumbscrew lock.
- 36. Connect the equipment to the power supply and switch-on ('I') the motor to commence mixing.
- 37. Should it be necessary to add more compound in to the mix, pour the compound onto the lid of the equipment. The rotating action of the lid will distribute the compound down the sides and into the tub.
- 38. When mixing is complete, switch-off ('O') the motor and raise it using its handle (it may be necessary to rotate the paddles slightly by hand to prevent them fouling the sides of the tub).
- 39. Take care when emptying the mix from the tub it maybe heavy, seek additional assistance if required.
- 40. Once the tub has been emptied, clean and rinse-out with water.
- 41. If anyone approaches you, switch-off the equipment.

SECURITY & MAINTENANCE

- 42. Visually check the condition of the equipment at the start of each day.
- 43. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
- 44. Periodically clean the equipment to ensure it is free from dried compounds, dust and debris.
- 45. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure to prevent unauthorized use or loss.

COLLECTION & PICK-UP

- 46. For safety reasons this equipment requires you to use a **LORRY**.

