



# **FULL BOAR**

## **MULTI PURPOSE MIXER**

- **1600W HIGH POWER**
- **IDEAL FOR MIXING  
CONCRETE, MORTAR,  
PAINT & ADHESIVES**
- **2 SPEED GEARBOX  
FOR HIGH TORQUE**



## **INSTRUCTION MANUAL**

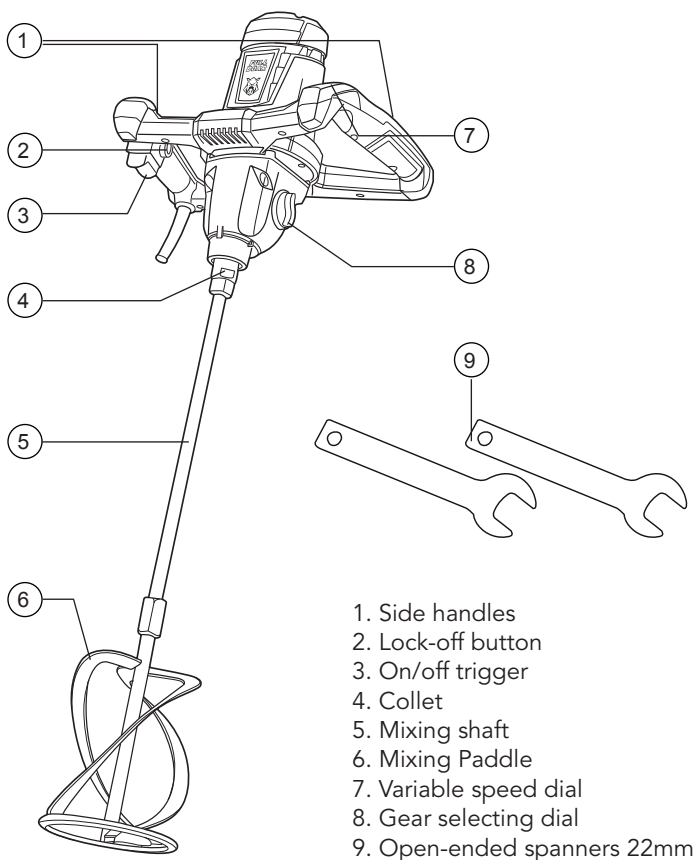


**WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

## SPECIFICATIONS - MODEL NO. FBMD-1600

<b>Mains voltage:</b>	220-240V ~50Hz
<b>Input power:</b>	1600W
<b>No load speed:</b>	0 – 460min <sup>-1</sup> / 0 – 750min <sup>-1</sup>
<b>Variable speeds:</b>	6
<b>Gears:</b>	2
<b>Soft start:</b>	Yes
<b>Mixing paddle size:</b>	Ø133mm x 580mm
<b>Mixing paddle thread:</b>	M14 x 2.0mm
<b>Weight (tool only):</b>	3.48kg

## KNOW YOUR PRODUCT



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## INTRODUCTION

Congratulations on purchasing a Full Boar Multi Purpose Mixer.

Your Full Boar Multi Purpose Mixer FBMD-1600 has been designed to mix various materials such as paint, mortar, adhesives and plaster into consistent batches as required for the end user. Read and understand the Owner's Manual before operating the Multi Purpose Mixer. Failure to do so could result in personal injury or equipment damage.

## SAFETY INSTRUCTIONS



**WARNING!** When using mains-powered equipment, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read and understand the manual prior to operating this tool.

Save these instructions and other documents supplied with this tool for future reference.

The manufacturer cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

## ELECTRICAL SAFETY

The electric motor has been designed for 220V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

**Note:** The supply of 220V and 240V is interchangeable for Australia and New Zealand.



This tool is double insulated, therefore no earth wire is required.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organization.

**Note:** Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

### Using an Extension Lead

Always use an approved heavy duty extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective. When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

# GENERAL POWER TOOL SAFETY WARNING



**WARNING!** Read all safety warnings and instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "Power Tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

## SAVE THESE INSTRUCTIONS

### 1. Work area safety

- a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2. Electrical safety

- a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3. Personal safety

- a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

## GENERAL POWER TOOL SAFETY WARNING

### 4. Power tool use and care

- a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

### 5. Service

- a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- b. **If the supply cord is damaged,** it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

# MULTI PURPOSE MIXER SAFETY WARNINGS

**Hold power tool by insulated gripping surfaces, when performing an operation where the accessory may contact hidden wiring or its own cord.** Accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.



**WARNING! This appliance is not intended for use by persons** (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**Recommendations for the use of a residual current device** with a rated residual current of 30mA or less.

- a) **Hold the tool with both hands at the intended handles.** Loss of control can cause personal injury.
- b) **Ensure sufficient ventilation when mixing flammable materials to avoid a hazardous atmosphere.** Developing vapour may be inhaled or be ignited by the sparks the power tool produces.
- c) **Do not mix food.** Power tools and their accessories are not designed for processing food.
- d) **Keep the cord away from working area.** The cord may be entangled by the mixer basket.
- e) **Ensure that the mixing container is placed in a firm and secure position.** A container that is not properly secure may move unexpectedly.
- f) **Ensure that no liquid splashes against the housing of the power tool.** Liquid that has penetrated the power tool can cause damage and lead to electric shock.
- g) **Follow the instructions and warnings for the material to be mixed.** Material to be mixed may be harmful.
- h) **If the power tool falls into the material to be mixed, unplug the tool immediately and have the power tool checked by a qualified repair person.** Reaching into the bucket with the tool still plugged in can lead to electrical shock.
- i) **Do not reach into the mixing container with your hands or insert any other objects into it while mixing.** Contact with the mixer basket may lead to serious personal injury.
- j) **Start up and run down the tool in the mixing container only.** The mixer basket may bend or spin in an uncontrolled manner.

## ASSEMBLY

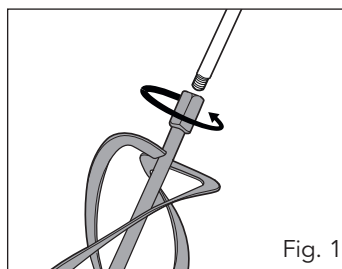


**WARNING!** Ensure the tool is switched off and disconnected from the power supply and completely stopped before performing any of the following operations.

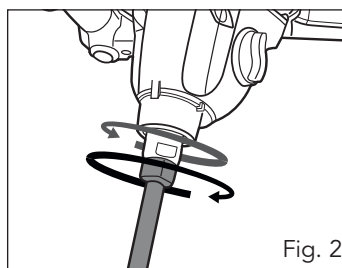
### Assembling and fitting the mixing paddle

The Full Boar FBMD-1600 comes with a mixing paddle that needs assembly before fitting to the multi purpose mixer.

1. Screw the mixing paddle (6) into the end of the mixing shaft (5) by rotating in a clockwise direction by hand (fig. 1).



2. Screw the mixing shaft (5) into the collet (5) at the base of the mixer housing (Fig. 2).
3. Tighten onto the collet (4) using the provided 22mm open-end spanners (9) in opposite directions (fig. 2).



4. While holding the 22mm open-end spanner (9) on the collet (4), tighten the mixing paddle (6) to the mixing shaft (5), fitted in step 1 using the other 22mm open-end spanner (9).



## OPERATION

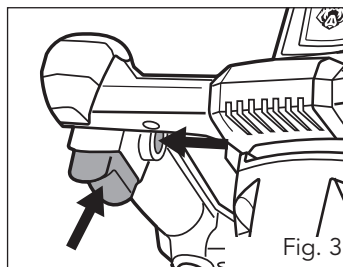


**WARNING!** The power supply for this product should be protected by a residual current device (rated at 30mA or less). A residual current device reduces the risk of electric shock.

### On/off trigger

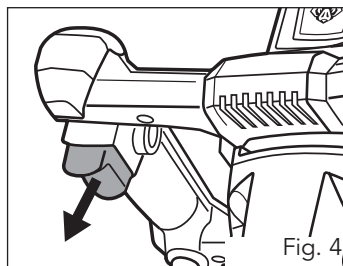
Always firmly hold the tool by handles (1) during operations. The multi purpose mixer is fitted with a lock-off button (2) to avoid accidental start up.

1. To start the mixer, first press and hold the lock-off button (2), then squeeze the On/off trigger (3) to start the tool. Hold the trigger in this position for continuous use (fig. 3).



**Note:** Once the tool has started, you can release the lock-off button (2).

2. To stop the mixer, simply release the on/off trigger (3) (fig. 4).



**WARNING!** The mixing may take a few seconds to come to a complete stop once the on/off trigger (3) is released. Ensure the motor has come to a standstill before sitting the mixer down.

## OPERATION

### Varying the speed

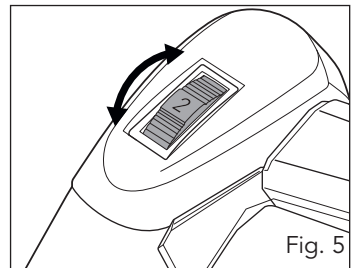
The multi purpose mixer has a variable speed dial (7) with constant electronics and a gear selecting dial (8), which allows the mixer to obtain speeds from 0-750/min (1st gear: 0-460/min, 2nd gear: 0-750/min).

### Adjusting the variable speed dial

With constant electronics the set speed is kept constant even when working under load.

To adjust the speed rotate the variable speed dial (7) (fig. 5).

1. To increase the speed rotate the variable speed dial (7) to a higher speed, or the highest number "6" setting.
2. To reduce the speed rotate the variable speed dial (7) to a lower speed, or "1" setting.



**Note:** Always reduce the speed when submerging the mixer in the material or lifting it out. Once the mixer is fully submerged, increase the speed again to ensure that the motor is adequately cooled.

### Changing gears

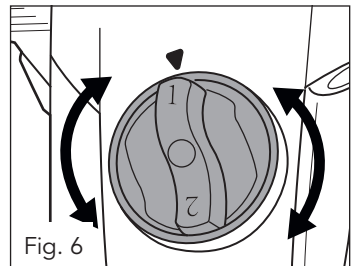


**WARNING!** To avoid damaging any gears, ensure the mixer has completely stopped before changing gears.

The gear selector dial (8) enables you to work within a specific speed range. To adjust the speed rotate the gear selector dial (8) (fig. 6)

1. Dial position, setting 1 - low speed (0-460/min), high torque.
2. Dial position, setting 2 - high speed (0-750/min), low torque.

**Note:** The gears may require the mixing shaft to be slightly rotated to allow the gears to change.



## MAINTENANCE



**WARNING!** Before cleaning your multi purpose mixer or carrying out any maintenance procedure, make sure that the motor is off and the multi purpose mixer disconnected from the power supply to prevent accidental starting.

- Keep the ventilation vents of the multi purpose mixer clean at all times.
- To clean the mixing shaft (5) and paddle (6) first remove from the housing by unscrewing from the collet (4). Then use water to wash off any unwanted material.
- After each use, blow air through the multi purpose mixer housing to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the mixer to overheat and fail.
- If the enclosure of the multi purpose mixer requires cleaning, do not use solvents but a moist soft cloth only. Never let any liquid get inside the mixer; never immerse any part of the mixer into a liquid.

### Carbon brushes



When the carbon brushes wear out, the tool will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the tool. Carbon brushes are a wearing component of the tool, therefore not covered under warranty. Continuing to use the tool when the carbon brushes need to be replaced

may cause permanent damage to the tool. Carbon brushes will wear out after many uses but when the carbon brushes need to be replaced, take the tool to an electrician or a power tool repairer for a quick and low cost replacement. Always replace both carbon brushes at the same time.

*Note: TB Imports will not be responsible for any damage or injuries caused by the repair of the tool by an unauthorised person or by mishandling of the tool.*










### Spare Parts

Limited spare parts are available subject to availability. Please contact your local Bunnings Special Orders Desk to order the required spare parts.

## TROUBLESHOOTING

Problem	Cause	Remedy
<b>Mixer is not working</b>	No power supplied	Make sure all plugs are connected and power outlet is in working order
<b>Mixer not reaching required speed</b>	Incorrect variable speed dial (7) setting	Rotate the variable speed dial (7) to a high number to increase the speed
	Incorrect gear selection	Change into 2nd gear using the gear selection dial (8)
<b>Excessive sparking visible through air vents</b>	Carbon brushes have worn out	Replace carbon brushes or contact customer service.

## DESCRIPTION OF SYMBOLS

<b>V</b>	Volts	<b>Hz</b>	Hertz
<b>~</b>	Alternating Current	<b>W</b>	Watts
<b>/min</b>	Revolutions or reciprocations per minute	<b>n<sub>0</sub></b>	No load speed
	Warning	<b>∅</b>	Diameter
	Wear ear, eye and breathing protection		Double Insulated
	Regulatory Compliance Mark (RCM)		Sound Power Level 100 dB
 	Read Instruction Manual		
 	To avoid damaging any gears, ensure the mixer has completely stopped before changing gears.		

## CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

## CONTENTS

1 x Multi purpose mixer

1 x Mixing paddle

2 x M22 Open-end spanner

1 x Instruction manual

**Note:** The manufacturer's liability shall be deemed void if the tool is modified in any way and the manufacturer shall therefore accept no liability for any damages arising as a result of modifications.

Distributed by:  
TB Imports

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# WARRANTY

**YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE (see [www.bunnings.com.au](http://www.bunnings.com.au) or [www.bunnings.co.nz](http://www.bunnings.co.nz) for store locations) WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:**

**Australia 1800 951 371  
New Zealand 0800 647 840**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

## **1 YEAR WARRANTY**

Your product is guaranteed for a period of **12 months from the original date of purchase**. If a product is defective it will be repaired in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: wheels, bearings.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you under law. The warranty covers manufacturer defects in materials, workmanship and finish under normal use.

Our goods come with guarantees that cannot be excluded under Australian Consumer law & Consumer Guarantees Act 1993 (NZ). You are entitled to a replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired and replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## **WARRANTY EXCLUSIONS**

**The following actions will result in the warranty being void.**

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- The warranty excludes damage resulting from product misuse or product neglect.

**This warranty is given by TB Imports.**

**ABN: 17 050 731 756**

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