

MOST IMPORTANT - RISK ASSESS!!!

Before you commence any work at your chosen work area, you should undertake some preliminary **hazard identification** and **risk control** precautions. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice

The hazard identification and control process steps are defined as:

1. Identify the Hazards (eg. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (e.g. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

HELP

If the unit does not operate correctly or you are unhappy with its performance, return it to the nearest Kennards Hire Centre for exchange or phone for assistance. **Do not attempt repairs yourself.**

Refer to your hire contract for details of our **AFTER HOURS EMERGENCY NUMBER.**

PERSONAL PROTECTION EQUIPMENT (PPE)



SAFETY DO'S

DO take your time - **Read this User Guide** and other Safety material (e.g. decals, manufacturer's instructions) completely and in its entirety **BEFORE** operating the concrete trowel.

DO seek medical advice from your doctor if you have any medical condition that may be affected by the operation and manual handling of the Concrete Trowel unit and/or equipment.

DO ensure that the equipment is suitable for your needs and working environment.

DO ensure you fully understand and are familiar with the equipment and its operations including emergency shut down/response and follow instructions provided by the hirer.

DO ensure that the equipment is assembled and used according to the manufacturers and hirer's instructions.

DO check controls and any safety devices for proper response before commencing the work.

DO wear appropriate Personal Protective Equipment (PPE) as illustrated before using the trowel.

DO always operate in a clear work area free from hazards. Be aware of pipes, conduits and other obstacles protruding from concrete surface.

DO ensure that you have secure footing & clear access & egress to the work area while on the job.

DO ensure the work environment is well lit with all aspects of the job easily seen and discernable.

DO ensure that the blade and other guards are fitted & functional - check before starting the trowel.

DO keep all body parts such as fingers/hands, and feet well clear of blade while operating.

DO keep a firm hold of the handle bars - the whole unit will tend to rotate after starting

DO wear gloves when handling blades as they can develop sharp edges.

Do always ensure machine is placed in secure position to prevent tipping or rolling over.

DO allow engine to cool before refueling.

Do always refill fuel tank in well ventilated area.

DO ensure that the fuel tank cap is securely fitted after refueling.

Do always keep area around muffler free of debris such as leaves and rags which could ignite and cause a fire.

Do ensure correct lifting techniques are used when using or transportation of the machine.

SAFETY DON'TS

DO NOT operate the trowel if you are

- tired or
- suffering any medical condition, or
- under the influence of any form of drugs or alcohol which may cause lethargy or pose risks to yourself or others.

DO NOT allow non-essential persons, children or animals into work/danger areas while the machine is turned on or in operation. (Barricade off if necessary)

DO NOT clean or service trowel while motor is running.

DO NOT smoke while in the vicinity of petrol, petrol containers or any petrol powered equipment.

DO NOT refill fuel tank while engine is running.

DO NOT overfill the fuel tank. If a spillage occurs, ensure that the area is dry before starting the motor.

DO NOT start or use the trowel within 3 metres of any fuel containers.

DO NOT operate the trowel without the blade and other guards correctly fitted.

DO NOT touch exhaust guard or engine cooling fins as burns could result.

DO NOT attempt to use the trowel one handed.

DO NOT leave the machine running unattended.

DO NOT use weights on machine unless authorized by the manufacturer.

DO NOT operate the trowel indoors or in a poorly ventilated area. A build up of carbon monoxide fumes can KILL...

BEFORE STARTING THE CONCRETE TROWEL

1. Ensure that trowel is on a flat surface, free from loose objects.
2. Check fuel and engine oil and top up if necessary.
3. Adjust steering handle to allow operator to use machine with optimum ergonomic body posture.

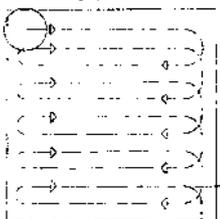
STARTING

1. Turn fuel tap on.
2. Apply the choke and open the throttle slightly.
3. Take up rope play in recoil, pull swiftly to start and allow to rewind slowly.
4. When running, release the choke slowly until the trowel is running smoothly.

HAVE YOU USED THE TROWEL BEFORE

If you are inexperienced:

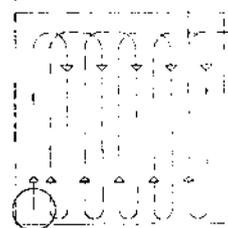
- Practice first on a flat slab of hard concrete which has been hosed down with water.
- Practice moving backwards while the machine follows, making it move to the right then to the left by light upward and downward pressure on the handle. On moving left to right the machine carries itself along with a smoothing effect. (Practice the trowelling 'pattern' shown).



CONCRETE TROWEL OPERATING INSTRUCTIONS

1. Ensure blades are in flat position for initial passes to flatten out minor variations and bring up moisture.
2. Open throttle to between three-quarters and full position.
3. Follow the trowelling 'pattern' shown. As slab

'tightens up' the blades should be slightly tilted if a 'polish surface' is desired.



4. If the slab is 'too tight to float', tilt blades only as high as necessary to break down the surface crust - use a small amount of water if necessary, then return the blades to 'flat' and proceed as normal.
5. Make a second pass at right angles to first pass (see trowelling 'pattern').
6. Generally, a greater angle of tilt will produce a smoother slab surface, provided the slab has 'firmed-up' enough to permit it.
7. Note: Excessive trowelling will produce a surface that might 'dust' or become 'crazed' with numerous fine cracks. For this reason the slab should be finished as soon as possible.
8. DO NOT dust a trowelled slab with dry cement in order to hurry the job. This will produce defects that will show up after a month or so.
9. DO NOT allow the trowel to become static on wet cement or the surface of the slab beneath the machine will be spoiled.

BASIC TROWELLING PROCESS

Step 1: Follow standard pattern with blades flat.
Step 2: Across first "Pattern" at right angles - blades flat.
Step 3: Repeat Step 1.
Step 4: Repeat Step 2.

- Adjust blade angle (tilt) to suit condition of concrete.
- Gradually tilt blades as surface tightens up.
- Continue this procedure until desired finish achieved.
- DO NOT concentrate "Trowelling" in one spot - cover as wide as area as possible.

Varying conditions of concrete (wet and dry areas etc.) - require varying speeds (rotation of blades) and blade tilt (angle of blades) - adjust controls according to requirements.

Move quickly over soft or wet areas (increase blade speed and slightly more pressure of lift on handle).

STOPPING

1. For Emergency Stop: Pull the emergency stop towards you.
2. For 'normal stopping' run trowel off work surface onto a firm adjacent flat surface.
3. Close throttle so that blades cease revolving.
4. Turn fuel tap to "Off" position.
5. Stop motor using "Stop" button/switch.
6. Return blades to flat position for transporting.

CARE AND ATTENTION

Lift and lower machine carefully. Dropping from transport vehicle may disturb blade setting and adversely affect performance. If new blades become necessary, return machine to your nearest Kennards Hire Centre for replacement.

Please clean the equipment before returning it.

Always remove machine from concrete when not "trowelling".

HANDLING

To avoid manual handling injuries, adopt safe posture for lifting and manoeuvring of the unit, if necessary obtain help to lift unit.

Always tie down the load when transporting.

SPECIFICATIONS

Weight - 75kg
Size - (Diameter) 900mm
Power - 5hp Petrol Engine
Fuel - Unleaded
Tank Capacity - 4 Litres

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