



3150W INFRARED PANEL DRYER WITH DISTANCE SENSOR - SHORT WAVE

MODEL NO: IR3000.V3

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer To
Instruction
Manual



Warning:
Electricity



Warning:
Hot Surface



Indoor
Use Only



Keep Away
From Flammable
Substances
During Operation



Unplug Before
Cleaning

1. SAFETY

1.1. ELECTRICAL SAFETY

- WARNING! It is the owner's responsibility to read, understand and comply with the following:**

You must check all electrical equipment and appliances to ensure that they are safe before use. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. **You must** also read and understand the following instructions concerning electrical safety.

- 1.1.1. **The Electricity At Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. **The Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply, leads, plugs for wear and damage and all electrical connections to ensure that none are loose.
- 1.1.6. **Important:** Ensure the voltage marked on the product is the same as the electrical power supply to be used and check that supply is correctly fused, see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the powered appliance by its power supply lead.
- 1.1.8. **DO NOT** pull power plugs from sockets by the power cable.
- 1.1.9. **DO NOT** use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician.
- 1.1.10. This product comes without a plug. **You must** contact a qualified electrician to ensure an adequate supply is available.
If fitting such a plug -

Ensure that the unit is correctly wired and earthed, as follows:

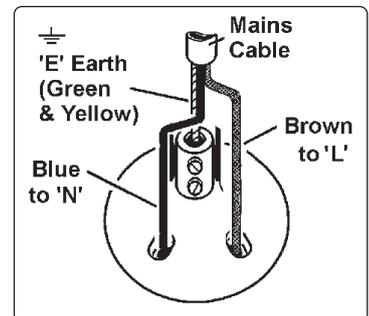
- Connect the **GREEN/YELLOW** earth wire to the earth terminal 'E'.
- Connect the **BROWN** live wire to live terminal 'L'.
- Connect the **BLUE** neutral wire to the neutral terminal 'N'.

d) After wiring, check there are no bare wires, that all wires have been correctly connected, that the cable outer insulation is clamped by the cable grip and that the grip is tight.

- 1.1.11. **Cable extension reels.** When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected. The section of the cores of the cable is important. 2.5mm² section is a minimum, but to be absolutely sure that the capacity of the cable reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

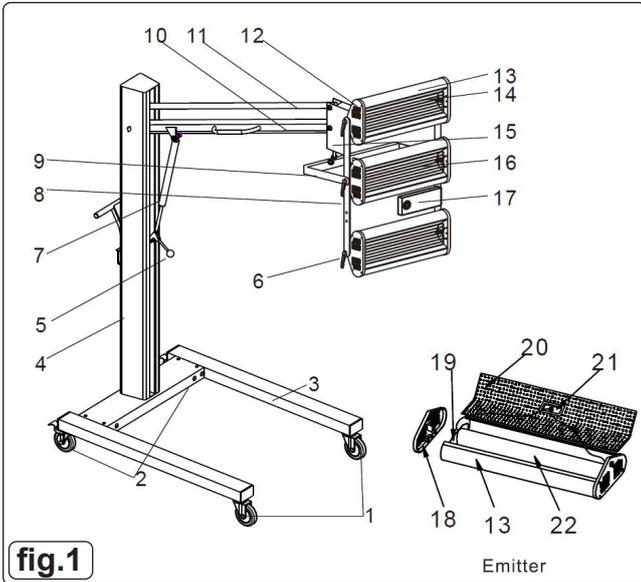
1.2. GENERAL SAFETY

- WARNING! Ensure there is nobody in front of the lamp when it is switched on.**
- ✓ Disconnect the panel dryer from the power supply before servicing, changing accessories, or performing any maintenance.
 - ✓ Ensure that the panel dryer is in good condition before use. If in any doubt do not use the unit and contact an electrician.
 - ✓ Familiarise yourself with the application and limitations of the panel dryer.
 - ✓ Check that lamp guards are in place, undamaged and firmly attached.
 - ✓ Keep tools and other items away from the panel dryer when it is in use.
 - ✓ Keep the work area clean and clear of unnecessary items.
 - ✓ Remember that the lamp panel will get hot, allow to cool after use.
 - ✓ Maintain the panel dryer in good condition. Use authorised agent for servicing.
 - ✓ Keep the dryer clean, but **DO NOT** use solvents.
 - ✓ Use only genuine parts and accessories. *Unauthorised parts and accessories may be dangerous and will invalidate your warranty.*
 - ✗ **DO NOT** use this product to perform a task for which it has not been designed.
 - ✗ **DO NOT** use the panel dryer outdoors, or in damp, or wet locations.
 - ✗ **DO NOT** operate within the vicinity of flammable liquids, gases or solids.



**THIS PRODUCT REQUIRES A
MINIMUM 16 AMP
SUPPLY**

- ❑ **WARNING! Never use in explosive situations.**
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ When not in use, store the panel dryer carefully in a safe, dry, childproof location.
- ✓ Maintain a safe and tidy working environment.
- ✓ In case the machine is used in a spray booth, it is a must to purify the in-house air first.
- ✓ Be careful of the uneven floor when moving the machine to avoid any overturn.
- ✓ Remove all objects in front of the lamp tubes before use.
- ✓ Keep any person at least 4 meters away from the painting surface.



PARTS LIST			
1	Front castor	12	Side panel of emitter
2	Back castor	13	Bent plate
3	Pedestal	14	Front grill
4	Post	15	Connective box
5	Gas spring handle	16	Emitter tube
6	Adjustable handle	17	Ultrasonic distance sensor
7	Gas spring	18	Side panel of emitter
8	Connective plate	19	Small reflective panel
9	U shape support	20	Rear panel
10	Flat cross arm	21	Ceramic connector
11	Round cross arm	22	Reflective panel

fig.1

2. INTRODUCTION

Distance sensor shows optimal distance from the work piece. Memory function stores up to four frequently used settings. Lamps emit short wave infrared heat ideal for optimised drying of water based paints. Flexible lamp system allows each heater to be adjusted and locked in position around the contours of the vehicle, ensuring maximum area coverage. Inbuilt timer turns lamps off after a set time. Height adjustment is made using the locking gas strut, offering near weightless movement of the support arm. Ergonomic push buttons designed to be easier to use than analogue controls. Fitted with four castors wheels, two with brakes for maximum manoeuvrability and safe positioning.

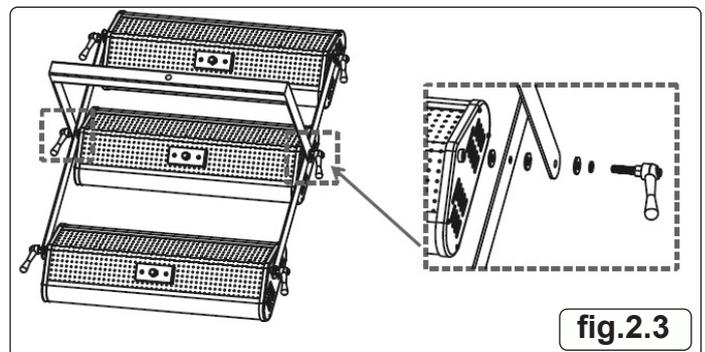
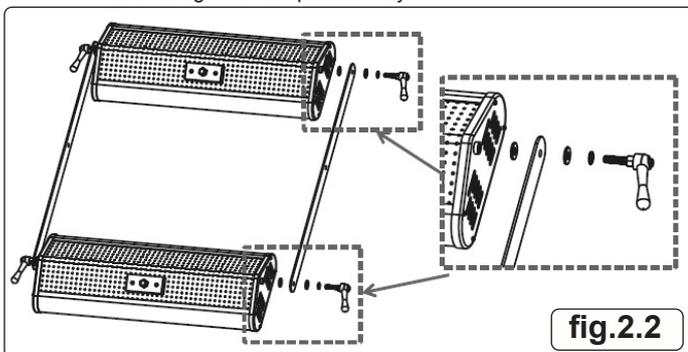
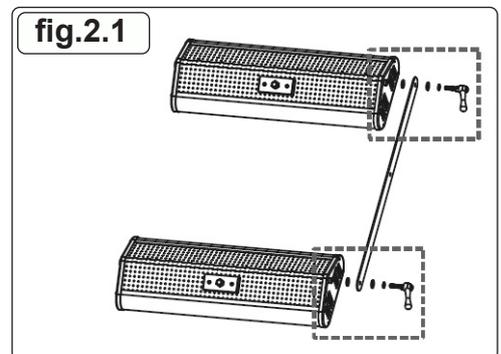
3. SPECIFICATION

Model No:..... IR3000.V3
 Element power: 3150W
 Number of elements..... 3 x 1050W
 Optimal Baking Area: 1m x 0.8m
 Operating Temperature: 60-70°C
 Power cable length..... 3.7m
 Reflector Size:..... 530mm x 140mm
 Supply:..... 230V ~ 50Hz 16A
 Timer Range: 0-35mins

4. INSTALLATION

4.1. LAMP ASSEMBLY (fig.2)

4.1.1. Refer to fig.2 for lamp assembly.



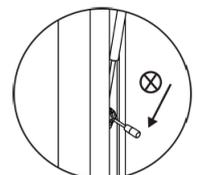
4.2. BASE FRAME ASSEMBLY (fig.3)

4.2.1. Take out the pedestal (3) from package.

4.2.2. Install the castor wheels with a brake (2) at the rear side of the pedestal, and the brakeless wheels (1) in the front of the pedestal.

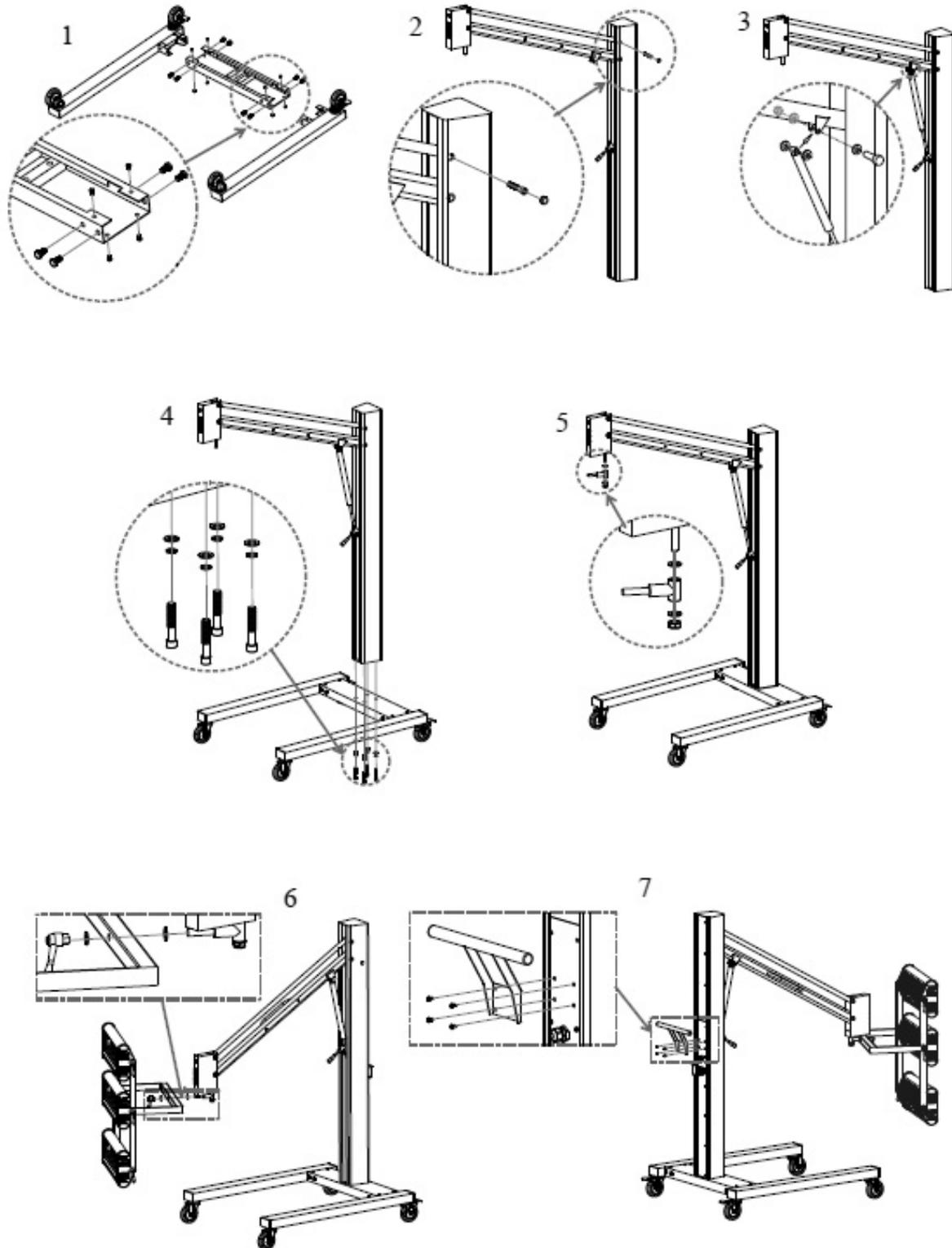
4.2.3. Fix the post (4) on the pedestal (3), and mount the gas spring (7) onto the cross arm (10).

- ❑ **WARNING!** When installing, do not press the gas spring handle (5) on the post, otherwise it may cause injury due to the rapid lifting of the cross arm (10).



- 4.2.4. Install the lamp unit directly in the screw in the connective plate (8).
 4.2.5. Plug wiring into connective box (15).

fig.3



5. OPERATION

5.1. CONTROL PANEL (fig.4)

NOTE: If the machine is working or paused, keys 2, 6 & 7 will be deactivated and will be activated when the machine stops working.

5.2. POSITION ADJUSTMENT

- 5.2.1. Position and adjust the lamp so it is approximately 50cm from the surface to be repaired.
 5.2.2. Press the gas spring handle (5) to adjust the height of the lamp unit.
 5.2.3. Adjust the lamp unit angle to allow it to be parallel to the surface to be repaired.
 5.2.4. Press down the brake on the rear wheels (2) to avoid any accidental movement of the machine.

5.3. BAKING TIMER CONTROL

- 5.3.1. Check power switch is set to the off position and connect to the mains supply.
 5.3.2. Turn on the main switch (11).
 5.3.3. Set the preheating time (6). The default value is 5 minutes. It will switch to full-baking automatically after finishing preheating.

Please adjust key 6 to "0" option if you do not need pre-heating function.

- 5.3.4. Set the full-baking time (7). The default value is 10 minutes.
- 5.3.5. Press the distance sensor key (8) and move the machine to the optimal distance for baking. The LED will light green.
- 5.3.6. Press the switches (3, 4 and 5) to start the tubes, and turn on the unit (10).
- 5.3.7. Press the pause button (9) once to pause, or twice to turn off.
- 5.3.8. The machine will beep when time is up.

5.4. MEMORY FUNCTION

- 5.4.1. The memory function can be used to save settings for different types of paint. There are four memory keys for convenience.
- 5.4.2. Press and hold one of the memory keys (2) for 2 seconds. The current preheating and full-baking time will be saved on this key.
- 5.4.3. Adjust the pre-heating and full-baking times and repeat the previous step.

fig.4

1	Time duration window
2	Memory key
3	Light switches for lamp 3
4	Light switches for lamp 4
5	Light switches for lamp 5
6	Pre-heating time keys
7	Full baking time key
8	Key for ultrasonic distance sensor
9	Pause / off key (press once to pause and twice to stop)
10	Start Key
11	Power switch

POSITION	LED LIGHT COLOUR	DISTANCE SPACING
1	Red	Too far
2	Yellow	Move closer
3	Green	Correct distance
4	Yellow	Move further away
5	Red	Too close

6. MAINTENANCE

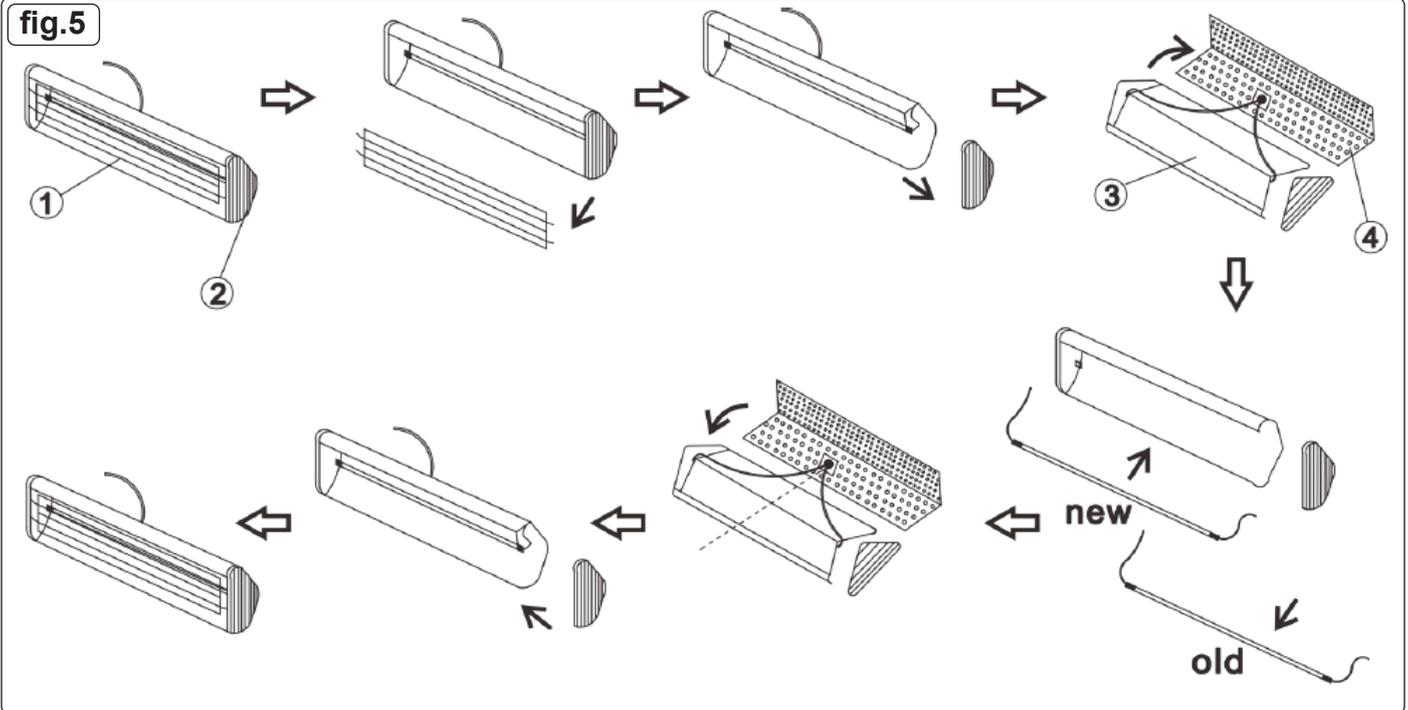
6.1. CLEANING

- WARNING!** Ensure the machine is disconnected and cooled down before cleaning.
- ✓ Unplug the unit from the electric power supply before performing maintenance or servicing.
- ✓ Remove all objects in front of the lamp tubes before starting.
- ✓ Regularly clean the machine with a soft cloth.

6.2. REPLACEMENT OF LAMP EMITTER TUBE (fig.5)

- WARNING!** Check power switches are in the off position and is disconnected from the mains supply and cooled down.
- 6.2.1. Take out the front protective grill (14) in front of the lamp emitter tube.
- 6.2.2. Loosen the screws on the side panel of the emitter and remove the side panel (18).
- 6.2.3. Release rear panel (20).
- 6.2.4. Loosen the two leads in the lamp tube and remove the tube.
- 6.2.5. Fix the new tube with same model number and wire the tube correctly.
- 6.2.6. Install the rear panel reflective panel and the side panel.
- 6.2.7. Use a piece of soft cloth to clean the reflective panel and tube.
- 6.2.8. Install the front protective grill.

fig.5



7. TROUBLESHOOTING

DEFECT	CAUSE	TROUBLESHOOTING
Small pores on the baked paint surface	Lamp too close to the repaired surface.	Increase the distance.
	Insufficient preheating time.	Increase the preheating time.
	Fast thinning agent included in the paint.	Use standard or slow thinning agent.
Dim paint	Lamp too far away from the repaired surface.	Move dryer closer.
	Insufficient Baking.	Increase the baking time
	Too thick coating.	Thin the coating.
Stains	Too long baking.	Shorten the baking.
	Too close.	Increase the distance.
Fuzzy edge	The repair surface is too large.	Separate it into two pieces for baking.
Uneven baking	The lamp is not at the correct height.	Adjust the lamp to allow it to be as height as the repaired surface.

NOTE: For optimal baking performance, we recommend that users should work out the suitable operating procedures, baking time and distance according to the local natural conditions, working environment and the types of paints.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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