



Kingkraft

Pre-installation  
documents  
Easibath



**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USE**

# Contents

- General Information
- Delivery and room preparation
- Positioning
- Positioning and clearance
- Measurements
- Water supply and regulations
- Pipework
- Drainage and waste pipes
- Taps and thermostatic valves
- Electrical Requirements

There are three standard sizes available in the Easibath 1700, 1900 or 2100, however the Easibath can be made bespoke, please check on the specification before you proceed with the pre-installation requirements.

**Please Note for us to complete the installation and commissioning of the Easibath-there MUST be hot water turned on and power point supplied. If these are not completed to the plans outlined in this pre-installation document, there may be charges applied for a return visit.**

A standard 2100 Easibath actuators fitted weighs approximately 171kg

The bath top / tub section is approximately 95kg

(Accessories and cushioning is not included in these weights)

The weight load can support a bather up to 133kg in weight, it is imperative that the floor is fully load bearing.

This bath should only be installed by competent individuals and Kingkraft would always recommend that commissioning of the bath is carried out by Kingkraft qualified personnel.

Throughout this pre-installation guide 'left handed' and 'right handed' Easibaths are shown. This means when facing the front of the bath, the plug hole is either at the 'left hand' or 'right hand' side of the bath. Please be aware that Kingkraft must know the handing prior to manufacture. Please check with Kingkraft before commencing.

If your specification of bath is the opposite of what is shown at any point in this booklet, simply 'mirror' the enclosed images.(e.g. the bath shown on the front cover is a Right Hand Drain, 2100, with whirlpool system)



# Water supply & regulations

Depending on the nature of the establishment where the bath is to be used, UK water regulations stipulate certain conditions of supply. The bath may be classed as Category 3 (typically used in private domestic dwelling) or a Category 5 (e.g hospital). If used in a multi-user environment then the local water authority should be informed if a Category 5 installation.

A standard Easibath has a volume of no more than 230 litres to the depth of the overflow hole, but special sizes may be more. In this case please inform the local water authority. Your local water authority can advise you on the likely categorisation in your particular establishment.

## Water Supply Requirements

In order that the bather does not become cold, the bath is designed to permit as high as possible flow rates.

Gravity fed systems should be done in 22mm. If high flow rates are available then it is preferable to pipe supplies in 15mm.

In addition to adequate flow rates, the incoming water pressures must ideally be in ratio of, 2:1 or equal pressures for the digital mixing valves and equal pressures for the RADA Autotherm and Opac mixer taps, with no tendency for air locks and with a nominal hot temperature of 55°C or higher. The mixer valves / taps will need to be set up and checked at commissioning- 44°C = Bath and 39°C = Shower.

Adequate hot water storage must be available – a standard Kingkraft bath is 230 litres or less in volume up to overflow hole depth (special sizes may be larger)

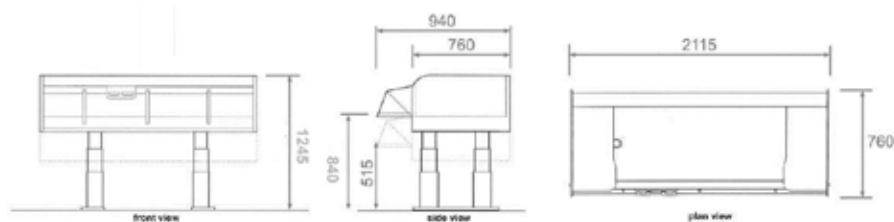
The boiler must be plumbed in and working to the correct temperatures before final commissioning can commence. – if the water is not turned on, Kingkraft can not complete the installation and commissioning and will charge for a return visit.

### IMPORTANT DIMENSIONS NOTE:

Easibaths can be modified in size from our standard models. They can be made 'extra long' or 'extra wide' this must be taken into account for the overall external dimensions shown in this booklet. These sizes can vary e.g 50mm, 75mm, 100mm or 150mm. PLEASE CHECK WITH KINGKRAFT ON THE FINAL SPECIFICATION WE HAVE ON RECORD.

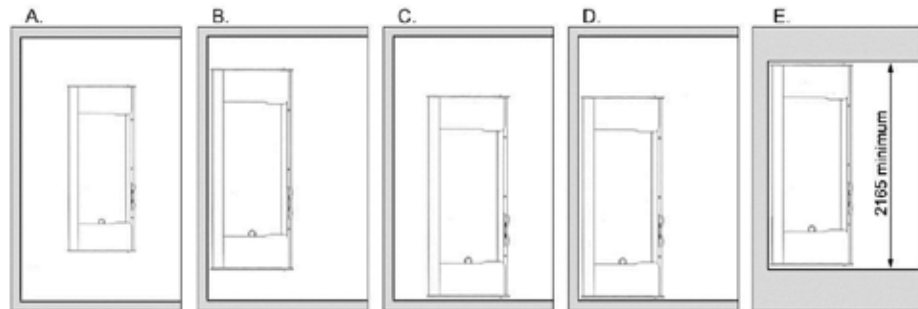
#### For example:

- A 150mm extra long option would make the overall length of the bath:  $2115\text{mm} + 150\text{mm} = 2265\text{mm}$
- A 150mm extra wide option would make the overall width of the bath:  $760\text{mm} + 150\text{mm} = 910\text{mm}$



#### Possible installation positions within a room: (Dimensions in mm)

The bath can be installed in any of the following positions:



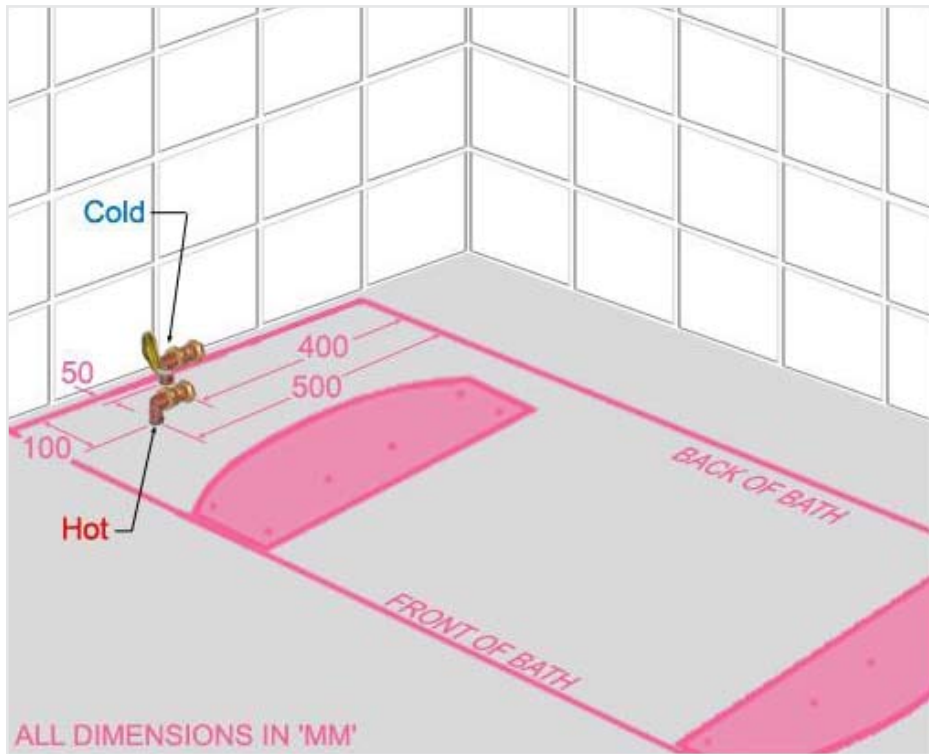
A Standard 2100mm bath shown

## Pipework/drainage/waste pipe

Hot and cold supplies should be as low as possible and should be positioned as shown below; All pipework must be safely routed within the room and to relevant and current plumbing standards.

### Hot & cold water supplies

- 1 copper pipe for hot water, elbow as above floor + ball / isolation valve attached + earthing wire
- 1 copper pipe for cold water, elbow and above floor + ball / isolation valve + earthing wire
- Earth bonding point



(A left handed bath-in a peninsula position)

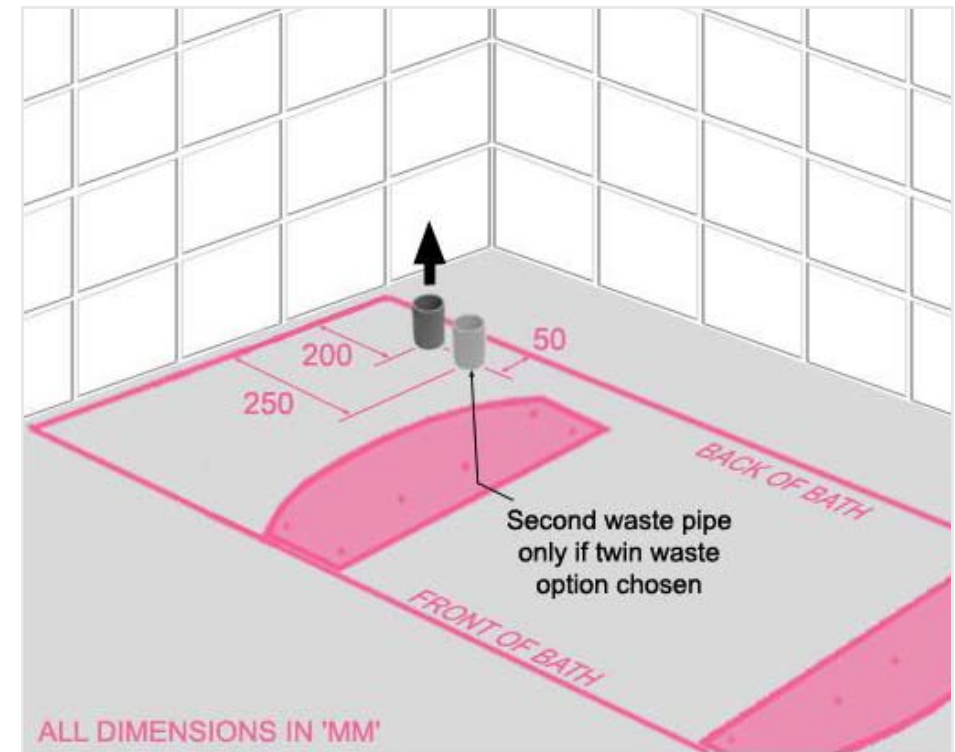
## Drainage/waste pipes

The bath can be supplied with either a single or twin waste. (Please check specification)

A rigid 40mm tail should be provided at low level (no more than 150mm above floor) at the tap/drain end of the bath.

For the twin waste option, two separate 40mm drains are required or the separate tapings provided must fit / connect into a 100mm pipe, or a 50mm pipe which can be used to connect both,

**Waste fittings up to the point where the Kingkraft straight connector attaches to the pipe must be solvent weld – not using the 38mm push – fit type.**



## Thermostatic valves & taps

The Easibath may be supplied with a RADA Autotherm Bath/Shower mixer, Opac Bath fill or RADA Sense Digital Mixing Tap (bath fill or bath/shower fill).

A full flow valve needs to be fitted on the hot and cold.

### **RADA Sense – Digital Mixing valve**

The hot and cold water mixer unit is mounted underneath the bath unit and the control panel is either mounted on the bath or on the wall.

**(PLEASE DISCUSS WITH KINGKRAFT IF THE RADA SENSE IS TO BE MOUNTED ON THE WALL)**

Nothing should be wall mounted above the bath that can cause a risk of trapping as the bath traverses upwards.

## Electrical requirements

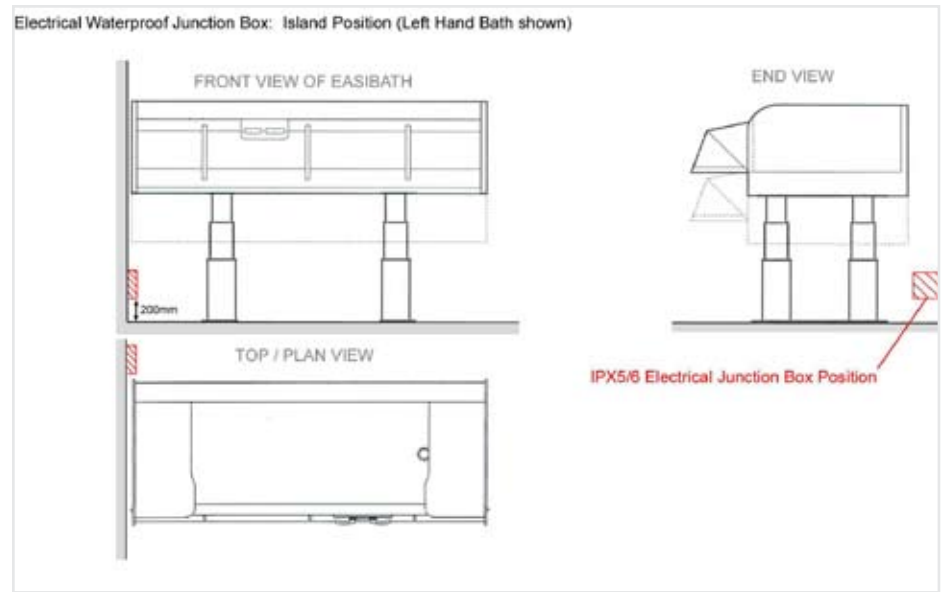
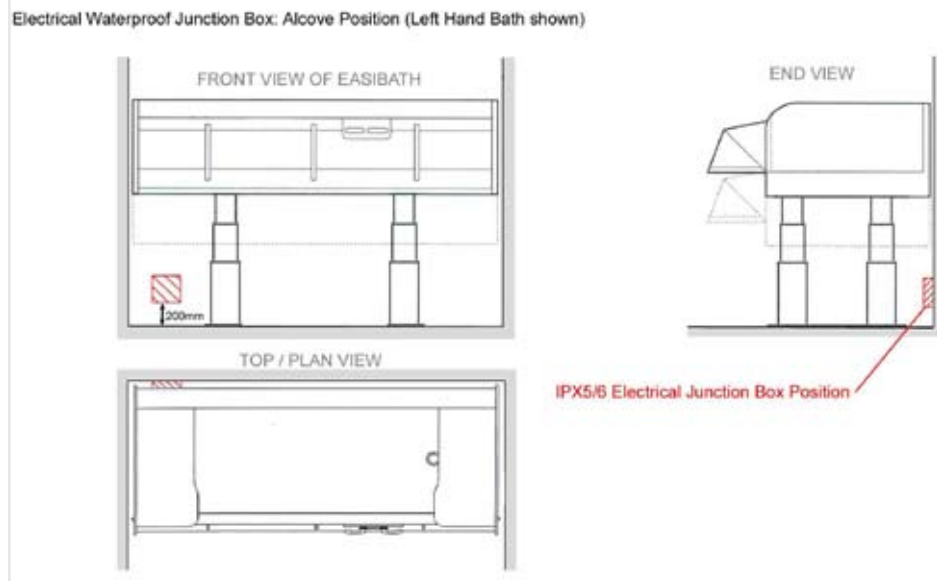
The room in which the bath will be installed must comply with the latest electrical zoning / building regulations, a qualified electrical engineer should advise on this.

Kingkraft will not be able to complete installation / commissioning of a bath unless an Electrical Installation Certificate (Including Test Details covering the room in which the bath is to be installed) is issued to the Kingkraft engineer prior to the work commencing. This certificate is normally held by the householder / property owner.

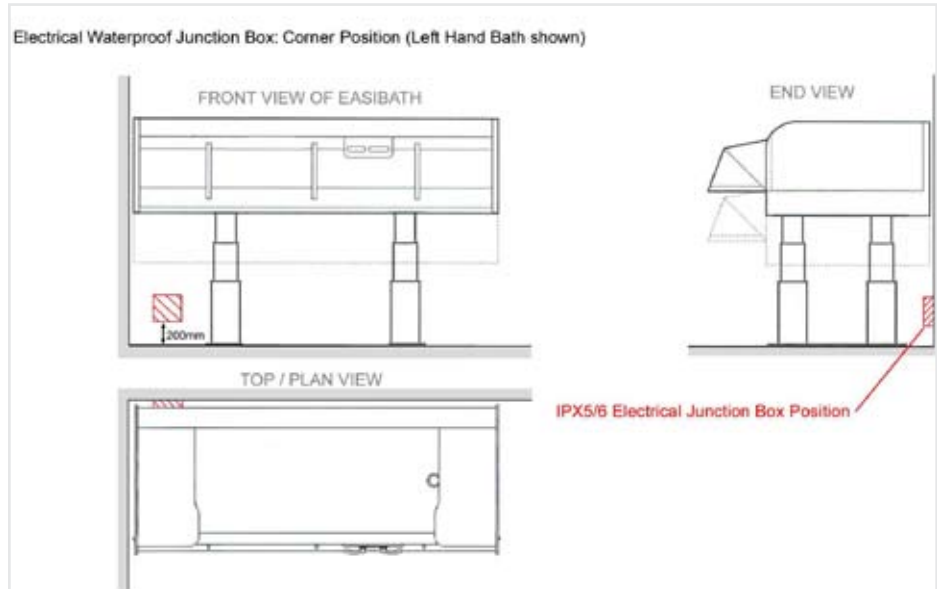
This can only be supplied by a qualified electrician.

- Supply to be 230V, 50Hz, single phase and neutral on a fused spur. (a 5 amp fuse for only the raise / lower option, a 13 amp fuse if the supply is powering the additional whirlpool option as well)
- Supply protected by a suitably rated RCD with a 30mA trip supplying the bath installation only. An isolation switch at high level in the bathroom or in adjacent room.
- Supply shall terminate at an agreed position, nominally 200mm above floor level, preferably at the 'non-drain' end of the bath.
- Supply terminates in an enclosure of IPX5/6 rating: enclosure to have facility for 'glanding off' using waterproof compression glands to preserve the IPX5/6 rating of the installation.
- Enclosure is 100mm x 100mm x 50mm in dimensions. Armoured cable is to be used with mains powered lifting columns / frames and whirlpool option connections.
- Final cable terminating at the bath SELV unit will be armoured via the braid protection of the cable; facility shall be left within the enclosure to accept the termination of the armouring as part of the installation earthing system.
- Accessible metallic parts of the bath and its frame are equipotential bonded, an earth connection close to hot and cold water supplies should be made available for the installer to connect to the bath framework and lifting columns via a flexible connecting bond.

The following pages show positioning for the electrical junction box depending on where the bath is being installed in the bathroom.



If you have any doubts as to any of the information enclosed in the manual, please contact Kingkraft on 0114 2690697 or [info@kingkraft.co.uk](mailto:info@kingkraft.co.uk)









Tailor-made for assisted living

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**WE PLAN WE MANUFACTURE WE INSTALL WE MAINTAIN**

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