

**ix250**

Patented Orangery Solution

## **Installation Guide**

# Delivery to Site



Ladder and sections arrive in manageable sizes

# Relatively light to handle



# Pre Assembly

Before installation of your iX250 System identify each section from the drawing attached using the numbered system.

# First section

Starting from the rear corner, sit the first section on the top of brick pier and support the edge at the back wall.





# Ladder Assembly

A Genie lift offers the best form of assistance for larger sections of framing.



# Connecting sections

Offer the rear ladder rack to the corner section and fasten together first with the draw bolts supplied.





# Fixing the System

Do not tighten at this stage, leave loose until all frame components are together.





# Final Corner

To put the corner in place, ease the sliding plate back then locate the piece into position. Then return the plate to its position and fix the corner with 10mm button head hex bolts.



# Rear section complete

Take the other sections and continue the assembly until you come to the last corner.



# Fixing Straps

Fix galvanised strap to front elevation corners brickwork / block work below and areas necessary.





# Bolt to house wall

Once all the aluminium components have been fully tightened and alignment with the brickwork supports is correct, drill and fix chemical anchor bolts to the host wall (ensure packing between framework and host wall).





# Insulation

Once the iX250 is fully assembled and in position, align the inside face of the outer upstand with the internal face of the external brickwork (inside window frame). Place pre cut insulation on top of the structure as per the numbered plan provided



# Bonded Fascia

The structure can now be decked with 18mm plywood, which is attached using 140mm fixings through the top of the deck, the pre numbered and bonded fascia – ply can then be fixed using 140mm window fixing





# Upstand CLS timbers

An up - stand can now be created using a CLS timber fastened into the box section below.



# Fit soffit and fascias

Affix Soffit & fascia boards (fascia board depth needs to be cut to size dependent on insulation depth). Fix gutter brackets to fascia perimeter at max 500mm centres, trim gutters to length and fit into place. Seat vacuumed formed gutter liners in position using bonding sealant supplied and external cast joiners.





# Fit Cornice and Guttering

Trim Cornice cladding to suit and clip on below gutter, bond corner / inline joiners as required.



# EPDM covering

The building deck is now ready for the EPDM waterproof covering to be fitted. The product is cut to manageable sizes with all trims and glues supplied. *Note: Dry weather required for this stage*



# Deck Covering

The deck is ready for a waterproof covering membrane to be fitted. The most commonly used material is EPDM, but it will accept lead or fibre glass.





# Flash to house wall and fit trims

Typical finish





# Deck Finishing

Care taken at this stage ensures many years of trouble free use



# Lantern Assembly

Pre assemble lantern roof, apply a generous bead of sealant to the eaves beam perimeter ensuring correct position and fix through into timber kerb at max 450mm centres.





# Wiring Glands

Ready for electrician to make use of the pre-drilled wiring glands





# Ready for finishing trades

Time taken 3 days



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**Evolution Atriums**