

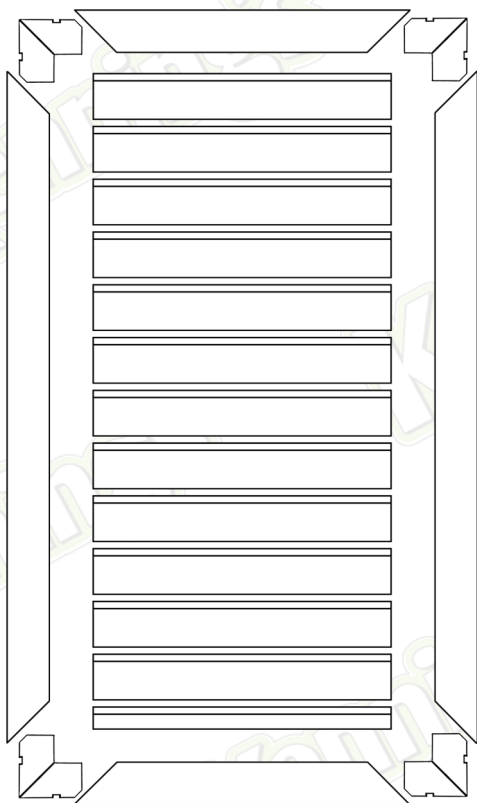
Self Build Composite Gate

(1800mm x 900mm)



Component List

2	x	Top / Bottom Black Aluminium Frame	900mm	(A)
2	x	Side Black Aluminium Frame	1800mm	(B)
1	x	Gate Board Insert	30mm x 800mm	(C)
12	x	Gate Boards	150mm x 800mm	(D)
4	x	Frame Connector Blocks		(FIX 1)
8	x	Connector Block Screws		(FIX 2)
3	x	Hinge Set (2 Part Hinge inc Screws)		(FIX 3)
1	x	Handle Set inc Barrel and Keys		(FIX 4)



All images are for illustration only. Please see individual item listings for actual item specifications.

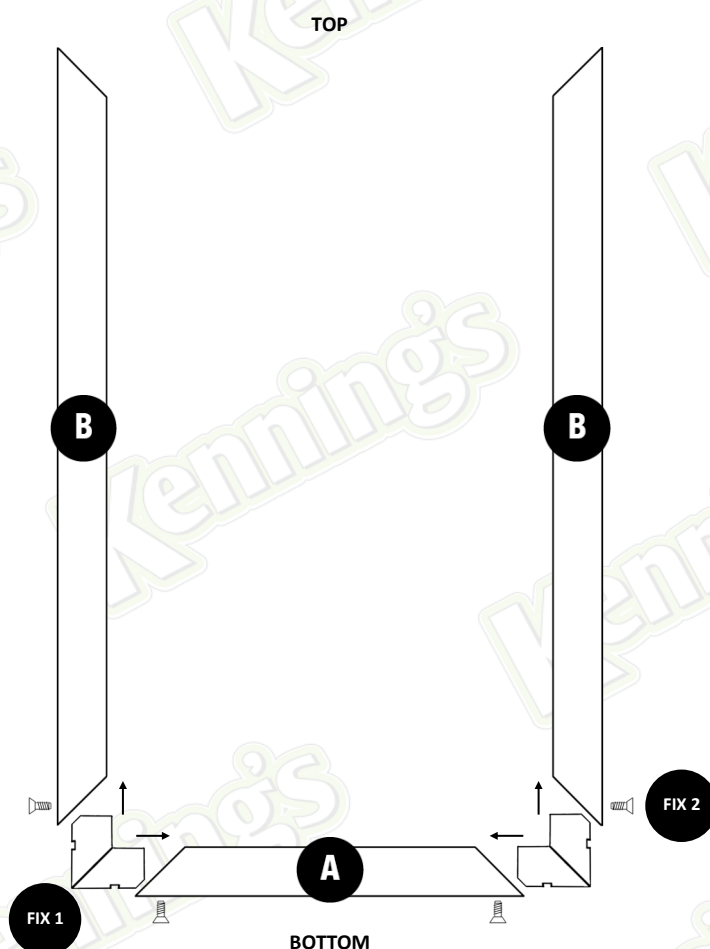
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Step 1

Begin by laying out both of the Side Frame pieces (**B**) and 1 x of the Top / Bottom Frame pieces (**A**) as shown in the diagram below.

These are joined together using 2 x Frame Connector Blocks (**FIX 1**) which simply slot into the frame as per the image, repeat this at both sides and secure into place using 4 x of the Connector Block Screws (**FIX 2**), screwing through the holes in the outside edge of the frame and into the corresponding holes in the Frame Connector Blocks.



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Page 2 of 7

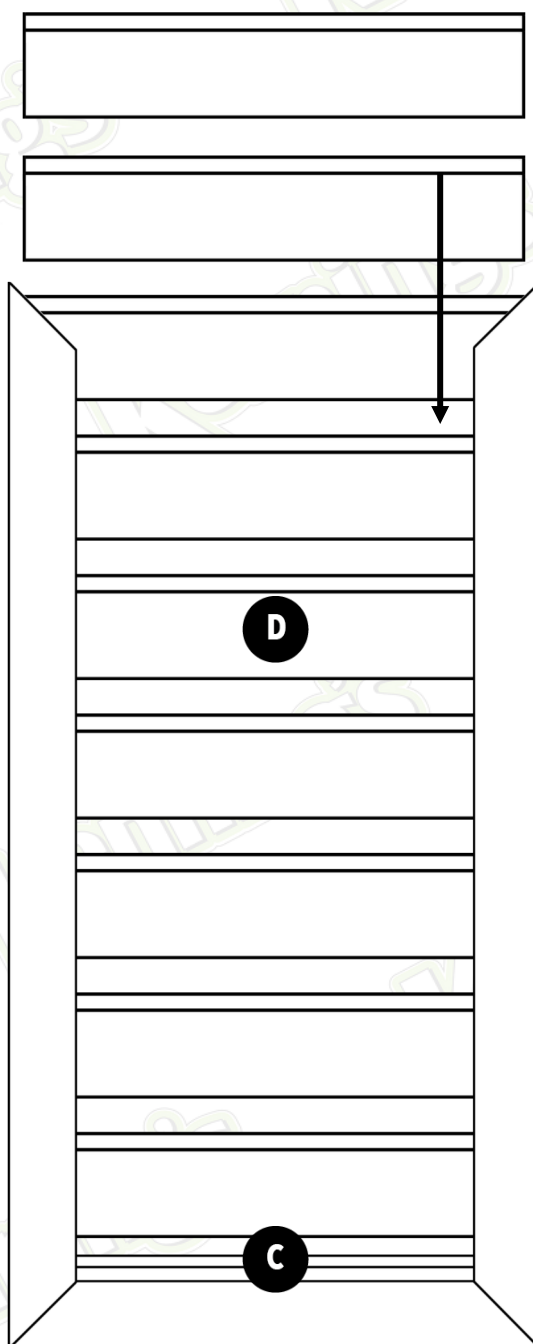
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Step 2

With the bottom part of the gate frame built, you can now slide into place the Gate Board Insert (C) and 12 x Gate Boards (D).

Please Note: The Gate Board Insert (C) should be the first piece that is put into the frame followed by the full Gate Boards (D).



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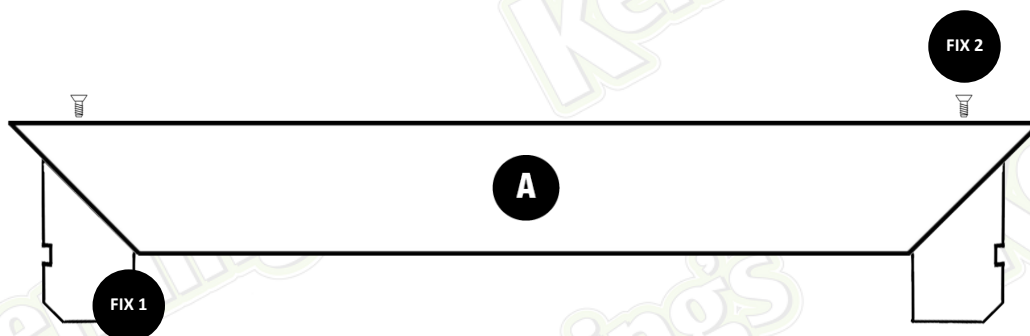
Page 3 of 7

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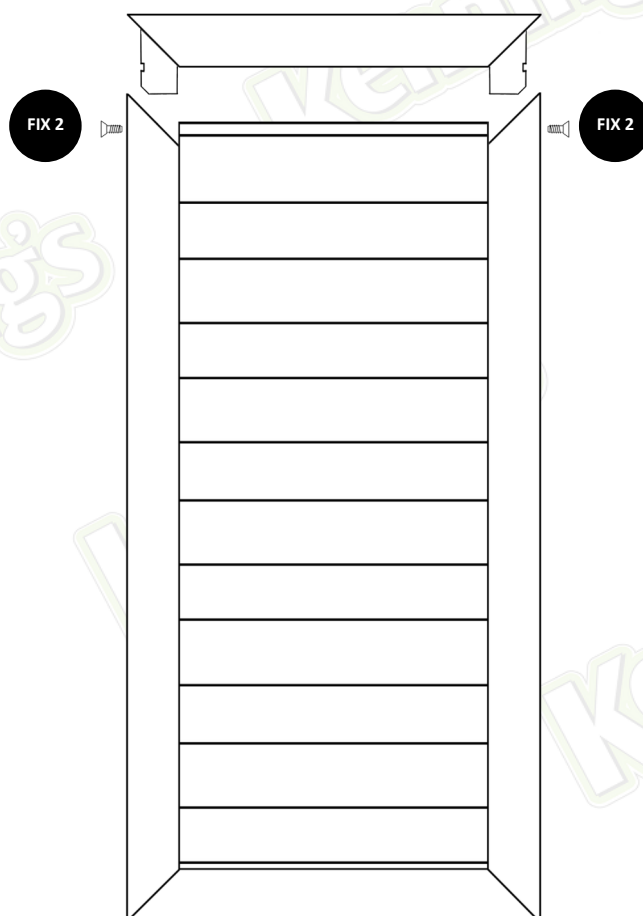


Step 3

The final part of building the frame is to attach the Top Frame piece **(A)**. As you did in step one, insert the two remaining Frame Connector Blocks **(FIX 1)** into the Top Frame **(A)** as per the diagram below and secure into place using 2 x Connector Block Screws **(FIX 2)**, screwing through the holes in the outside edge of the frame and into the corresponding holes in the Frame Connector Blocks.



To complete the gate it is now simply a case of sliding on the Top Frame piece **(A)** onto the and securing it into place using the remaining 2 x Connector Block Screws **(FIX 2)**



Step 4

Fitting the handle and lock (**FIX 4**) to the gate is a straightforward process, but precision is key to ensuring the gate latches and locks smoothly.

1. Install the Mortice Body

First, you need to seat the main locking mechanism into the gate.

Insert the Body: Slide the silver mortice lock body into the pre-cut slot in the edge of the gate.

Secure: Use the two medium-sized screws to fix the faceplate of the lock body to the gate edge.

2. Insert the Spindle and Handles

The spindle is the square metal bar that allows the handles to operate the latch.

The Spindle: Slide the square spindle through the square hole in the mortice body.

The Handles: Place the handle backplates over the spindle on both sides of the gate. Ensure the keyholes are at the bottom.

Fixing: Insert the long through-bolts through the screw holes in the internal handle. These will pass through the gate and thread into the external handle backplate. Don't tighten them fully yet.

3. Fit the Euro Cylinder

Alignment: Slide the cylinder through the keyhole-shaped opening in the handle backplate and through the mortice body.

The Retaining Bolt: Take the longest single screw provided. Insert it into the hole on the edge of the gate (on the lock faceplate) that aligns with the cylinder.

Tighten: Hand-tighten this bolt until the cylinder is locked firmly in place. Now, go back and finish tightening the handle through-bolts.

4. Attach the Strike Plate

Finally, you need to prepare the gate post to receive the latch and bolt.

Positioning: Close the gate and mark where the latch and deadbolt hit the post.

Fixing: Screw the silver strike plate (and the plastic dust box if included) onto the gate post using the remaining small screws.

Step 5

Attaching the 3x Hinges (**FIX 3**) and hanging the gate.

1. Preparation & Alignment

Positioning: Lay the composite gate panel on a flat surface. Mark the locations for the three hinges on the left and right sides. Ensure the top and bottom hinges are approximately 100mm–150mm from the gate edges to prevent sagging.

The Centre Hinge: Ensure the middle hinge is perfectly centred between the top and bottom sets to distribute the weight load evenly across the composite material.

2. Attaching Hinges to the Gate Frame

Pilot Holes: Since you are working with aluminium, it is highly recommended to drill pilot holes using a 2mm or 3mm bit to prevent the material from cracking or "mushrooming."

Fastening: Use the provided screws to secure the hinge plates to the face of the gate frame.

Tightening: Ensure the screws are flush with the hinge plate but do not over-tighten, as this can strip the threads in composite fibres.

Option 1 - Mounting to a Post

Check Level: Hold the gate against the wooden post and use a spirit level to ensure the gate is plumb.

Clearance: Leave a 5mm–10mm gap between the gate edge and the post to allow for natural expansion and swing clearance.

Primary Fastening: Drive the long wood screws through the hinge barrels and into the wooden post. Ensure the screws penetrate at least 50mm into the solid wood for structural integrity.

Option 2 - Mounting to a Wall

Marking Holes: Hold the gate against the brick wall. Mark the screw holes through the hinge plates onto the brick.

Drilling Masonry: Use a masonry drill bit to create holes. Tip: Avoid drilling directly into the mortar lines (the "cement" between bricks) if possible; anchoring directly into the brick provides a much stronger hold.

Anchoring: Insert masonry anchors/plugs into the holes.

Final Secure: Drive the masonry screws through the hinges and into the anchors until the hinge is pulled tight against the wall surface.

Pro-Tip: Check the swing of the gate after the top and bottom hinges are in place but before fully tightening the middle hinge. This allows for slight adjustments if the post or wall isn't perfectly vertical.

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Enjoy your new Composite Gate!

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Page 7 of 7