

PuraComposite™

Technical Installation Guide

PRODUCT **PuraFence™ Door Frame**



DOOR LEAF SIZE
1000 × 1800 mm

INFILL BOARDS
11 × M2

READ
In full before use

Before you begin

This guide covers assembly of the PuraFence™ door leaf (frame) from the supplied aluminium profiles, composite infill boards and stainless-steel hardware. The finished leaf is then hung between two door posts — see the PuraFence™ Door installation guide for setting out and hanging the posts.

BEFORE YOU START

- **Check the kit.** Lay out all parts against the parts list and confirm the quantities before you begin. The door leaf builds flat, so work on a clean, level surface.
- **Tools.** You will need a hex/Allen key and a Phillips screwdriver or driver; no cutting or drilling is required.
- **Handing.** The door is handed. Decide which stile carries the hinges before assembly — the hinge barrels (L2, L3) fit the hinge-side stile (K1) and the latch mounts on the pre-drilled stile (K2).
- **Do not force.** Profiles slide together on their internal channels. If a part resists, check its orientation rather than forcing it.

Parts & hardware

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The door leaf is built from two vertical stiles, top and bottom rails, eleven composite infill boards and a top retaining rail, closed with edge trims and hung on top & bottom pivot hinges. All fixings are stainless steel (SS304).

NO.	PART	SIZE	QTY
K1	Stile — hinge side	35 × 65 mm · L 1800 mm	1
K2	Stile — latch side (pre-drilled)	35 × 65 mm · L 1800 mm	1
K3	Rails — top & bottom	35 × 65 mm · L 930 mm	2
K4	Edge trim / cap strip	6 × 6 mm · L 990 mm	4
M1	Top board-retaining rail	20 × 65.5 mm · L 930 mm	1
M2	Infill boards	20 × 161 mm · L 930 mm	11
L1	M6 nut	—	8
L2	Pivot-hinge barrel — bottom	—	1
L3	Pivot-hinge barrel — top	—	1
L4	Countersunk screw	—	12

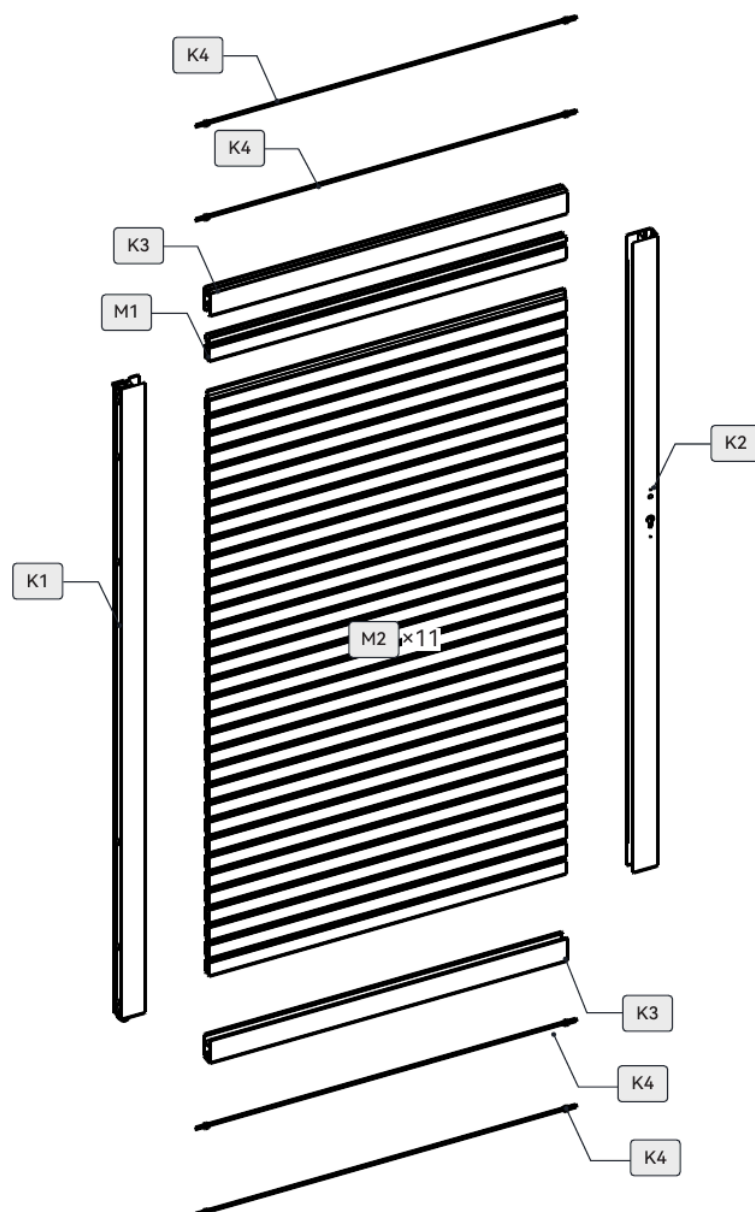


FIG. 1 – EXPLODED VIEW OF THE DOOR LEAF

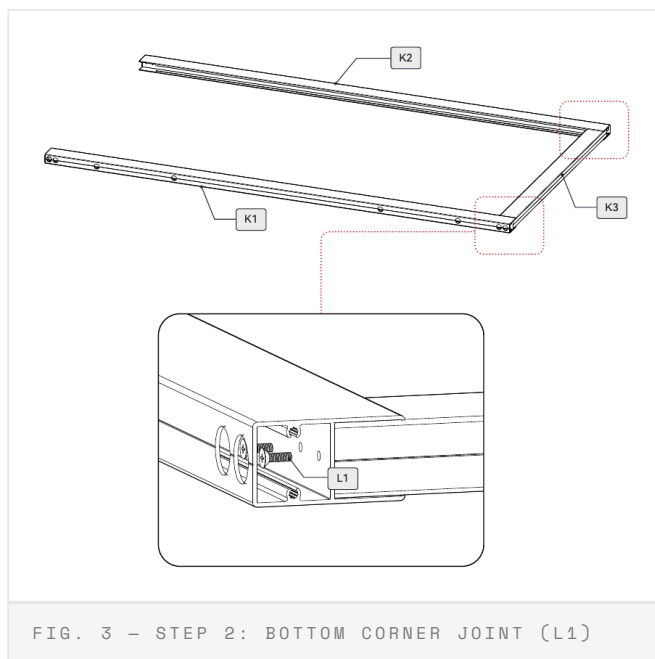
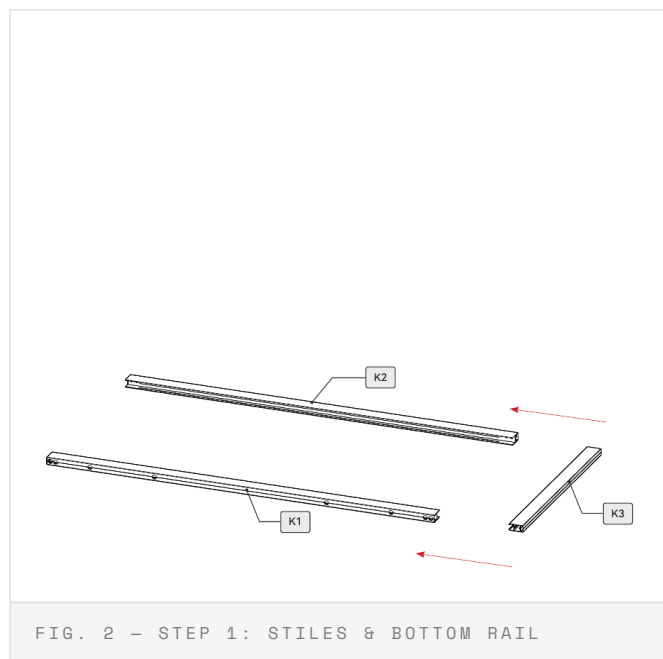
Frame & infill boards

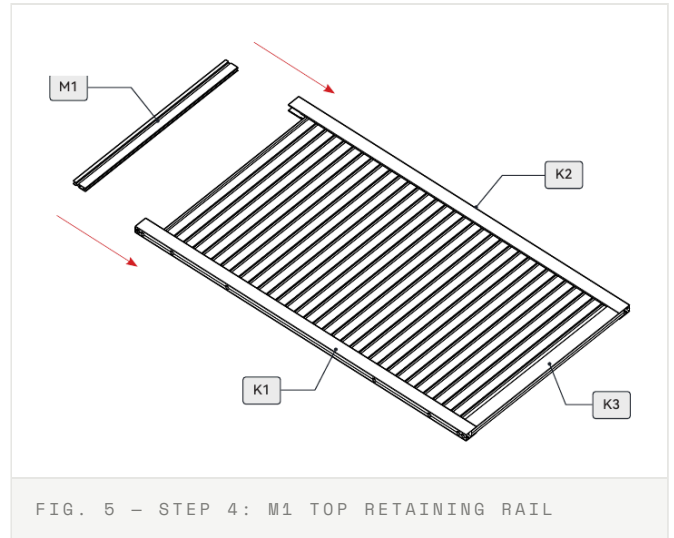
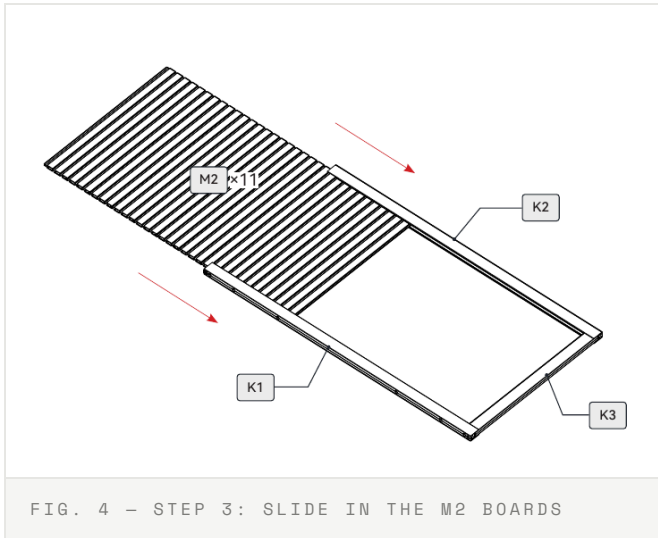
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Build three sides of the frame first, slide in the infill boards, then cap them with the top rail.

Keep the pre-drilled stile (K2) on the latch side throughout.

- 01 **Lay out the profiles.** Set out the two stiles — K1 (hinge side) and K2 (latch side) — and one K3 rail, which becomes the bottom rail of the leaf.
- 02 **Join the bottom corners.** Bring both stiles onto the ends of the bottom K3 rail to form a U. Fix each corner from the stile through the rail's internal channel, tightening onto an M6 nut (L1).
- 03 **Slide in the boards.** Feed the eleven M2 infill boards down between the stiles, one after another, seating the stack on the bottom rail. The boards run in the channels on the inner faces of K1 and K2.
- 04 **Fit the top retaining rail.** Lay the M1 rail across the top of the board stack, between the stiles, so it locks the infill in place ready for the top rail.

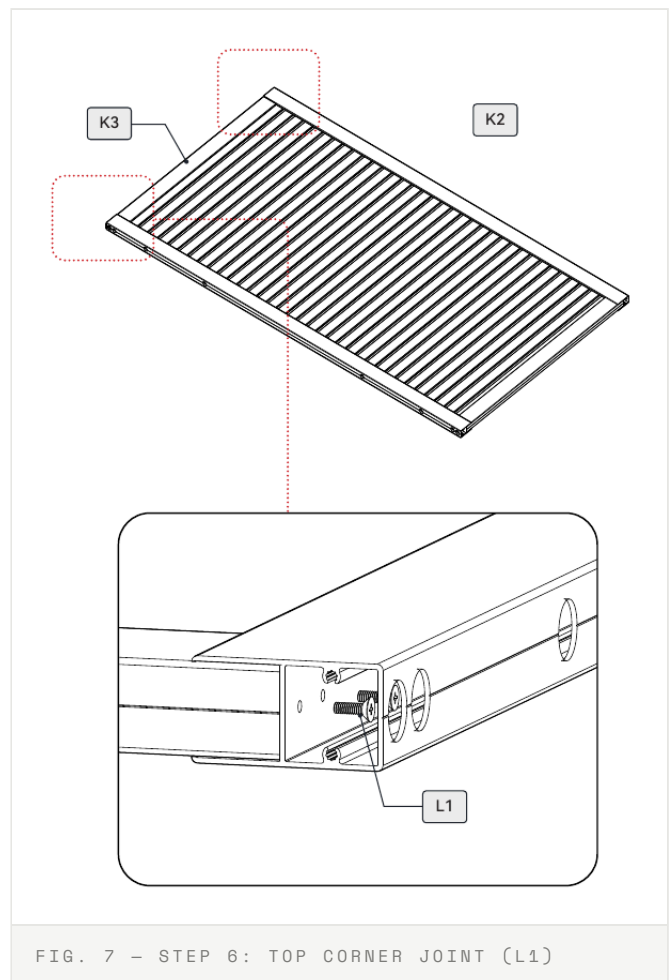
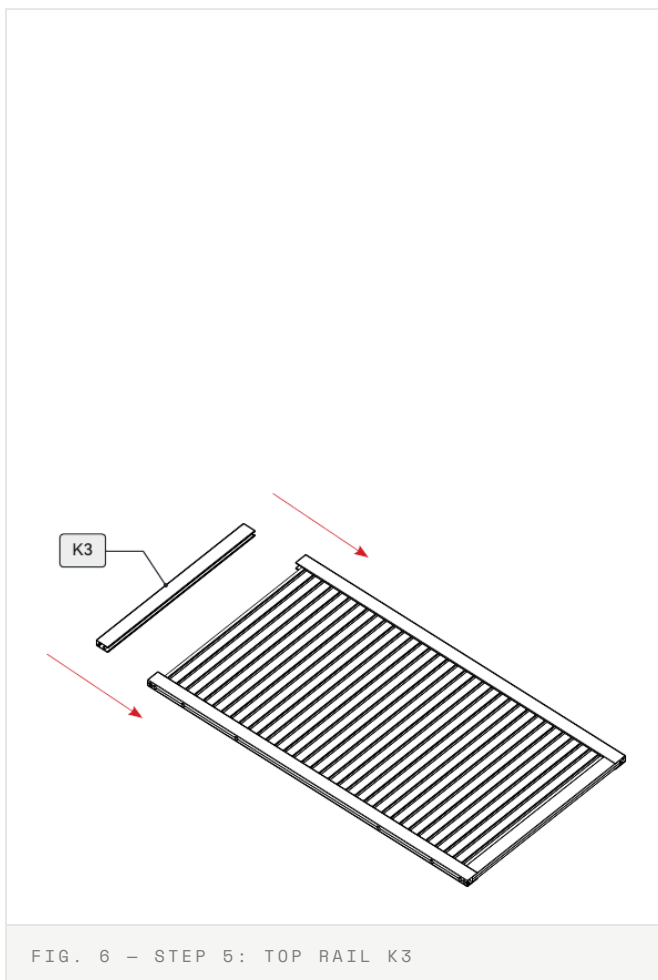


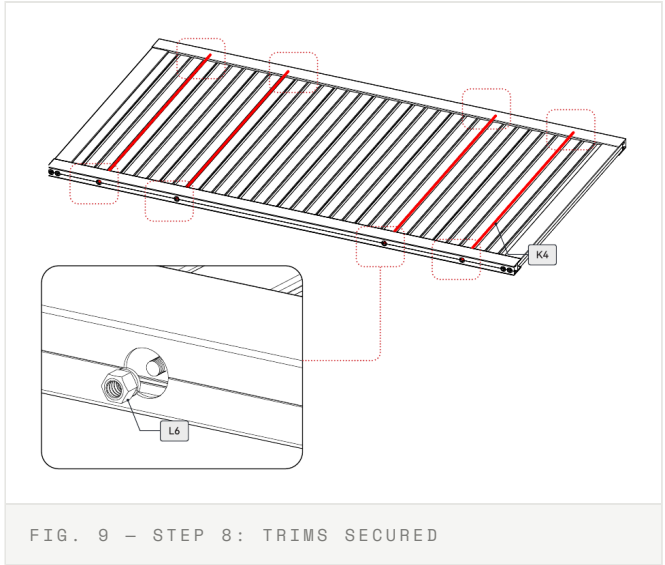
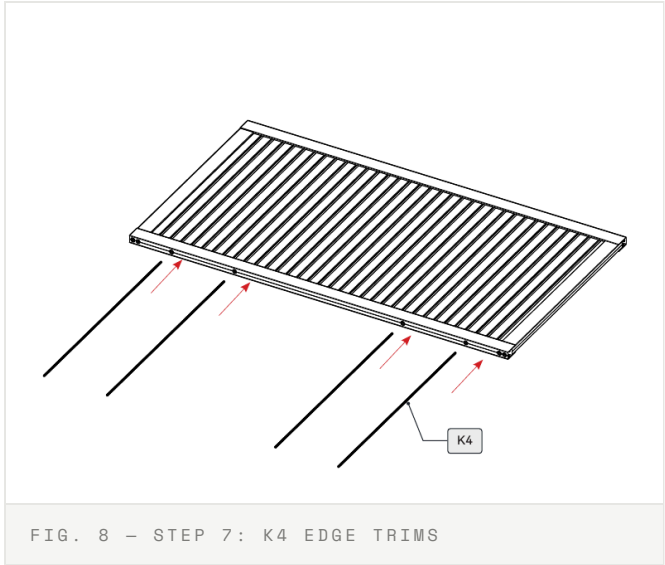


Top rail & edge trims

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- 01 **Fit the top rail.** Slide the second K3 rail onto the top of the leaf, over the M1 rail and the ends of both stiles.
- 02 **Bolt the top corners.** Fix each top corner the same way as the bottom — through the stile into the rail channel, tightening onto an M6 nut (L1). The frame is now rigid on all four sides.
- 03 **Add the edge trims.** Press the four K4 cap strips onto the top and bottom edges of the leaf (two per edge), covering the rail-to-stile joints.
- 04 **Secure the trims.** Fix the K4 trims through the pre-set points so they sit flush along the full length of the rails.





Fit the pivot hinges

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The leaf swings on a top and bottom pivot hinge set into the hinge-side stile (K1). Fit both barrels before hanging the door.

- 01 **Bottom hinge.** Insert the bottom pivot barrel (L2) into the lower end of the K1 stile and fix it with the countersunk screws (L4).
- 02 **Top hinge.** Insert the top pivot barrel (L3) into the upper end of the K1 stile and fix it with the countersunk screws (L4).
- 03 **Hang the leaf.** With both barrels fitted, locate the leaf onto the matching hinge sockets on the door posts, then check that it swings freely and sits square.

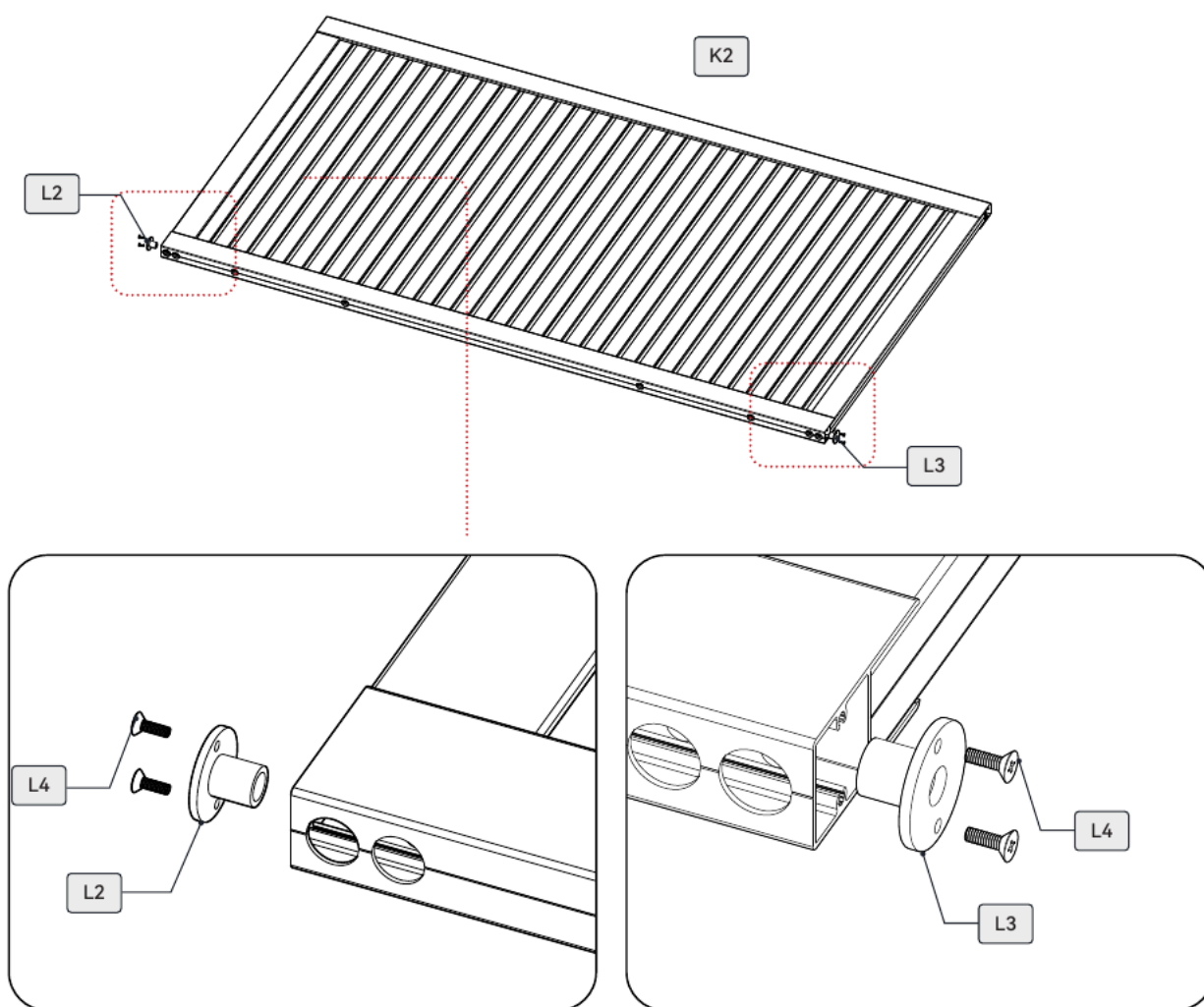


FIG. 10 – STEP 9: TOP & BOTTOM PIVOT HINGES (L2, L3) FIXED WITH L4 SCREWS

! IMPORTANT

Set the door posts plumb and level at 1085 mm centres before hanging the leaf, and allow the swing arc to clear the ground and any adjacent surface. Post setting-out is covered in the PuraFence™ Door installation guide.

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SUSTAINABLE SOLUTIONS

For datasheets, warranty terms and the PuraFence™ Door installation guide, contact PuraComposite or visit puracomposite.com. Fit the door only with the hinge and lock kit supplied for your model.

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