

There are 2 parts to the installation; firstly the assembly and secondly the installation. Please read the entire guide before any assembly is commenced.

Assembly: (Before commencing, ensure the assembled bathroom can be manoeuvred to the installation area.)

- A. Place the **Base** panel down, cut cardboard from the packaging and lay on the panel to provide protection.
- B. Accurately 'dry' position each wall panel on the base flange and with a pencil, mark the ends of each panel onto the base flange; also mark the doorway. *This will indicate which panel(s) will need to be cut to create the door opening and also where to place sealant beads during assembly.* Label the back of each panel in the order of assembly. See the following diagrams for panel locations and assembly sequence.
- C. Identify the (either 1 or 2) panels that will need to be cut to create the door opening. There are a few options regarding creating the door opening (remember, measure twice cut once!). To cut, mark the required edge, or edges, of the door frame onto the gelcoat face of the appropriate panels and carefully cut along the marked lines from the gelcoat face (cut with a suitable cutting disc, thin carborundum or diamond, attached to an angle grinder). Other openings (window, exhaust fan) are cut in a like manner.
 - o If only one side of a panel is required to be cut to create the doorway, carefully mark the required edge for the door frame onto the gelcoat face of the panel and cut the panel (as per instruction). Continue with the assembly substituting the cut panel for the full panel indicated in the assembly guide.
 - o Where the required door opening is central within one panel, then both sides need to be cut (giving 2 small panels) one on either side of the door. *This would be unusual, normally it is easier to relocate the doorway slightly sideways so one side of the doorway aligns with the edge of a full panel.* Continue with the assembly substituting the cut panels for the full panel referred to in the assembly guide
 - o Should the required door opening be across 2 panels, then you will need to cut both panels. Lay the 2 panels gelcoat face down, (take precautions to prevent damage to the gelcoat face) insert the bolts through the connecting holes and nip up; turn the panels over. Ensure the panels align. Mark on the panels the door location, disassemble the panels and cut as required. Continue with the assembly substituting the cut panels for the full panels referred to in the assembly guide.
- D. The first two panels are always adjacent the shower. See the following diagrams.
- E. Run a generous 4mm to 5mm unbroken bead of sealant (*2 parallel smaller beads works well*) on top of the **Base** flange (*and around the bolt holes*) where the first panel, a **Shower Wall** panel, will attach to the **Base** as per the following drawings (*always start with the Shower Wall labelled 1 on the drawings*).
- F. Position the **Shower Wall** panel and lightly bolt to the **Base**, have someone hold this panel while the next panel is attached. *Always nip up and tighten horizontal join bolts before tightening vertical join bolts. Electric, pneumatic or ratchet tools must not be used to tighten nuts and bolts. Use hand spanners only.*
- G. Apply sealant (as before) to the **Base** flange where the second wall panel (*labelled 2 on the drawings*) will sit and also along the vertical flange between the two wall panels; attach the second wall panel in a like manner first to the **Base** and then first **Wall** panel. *Do not tension bolts just yet.*
- H. Snug up the flanges and align the internal gelcoat faces of the 2 wall panels and the base, tap panels in or out and adjust as necessary. Gently nip up the horizontal join bolts first and then the vertical join bolts.
- I. Continue assembly in the same direction, attaching panels in a like manner, until at the doorway.
- J. Next, seal and attach the panel adjacent the other side of the first **Shower Wall** panel and then likewise continue attaching panels until you have arrived at the other side of the doorway. (*If the door is adjacent the first Shower Wall panel, then assembly would continue from the first panel finishing at the door*)

For smooth look bathrooms refer sections K through L.

- K. For 'smooth look' bathrooms with 2 horizontal (lower and upper) back panels:- Apply sealant (as before) to the top of the flange on the **Base** where the lower **Back Wall** panel will sit and also on the vertical edge of the previously fitted **Shower End Wall** panel where it will bolt to the lower **Back Wall**. *Note that some models have 5 holes along one flange of the Back Wall; these '5 hole' flanges join the lower and upper panels. The flanges with 6 holes connect to either the Base or the Ceiling Panel.*
- L. Position the lower **Back Wall** panel and lightly bolt first to the **Base**, and then to the **Wall**. Adjust as necessary. Seal, attach and adjust the upper **Back Wall** panel in a like manner.
- M. After all wall panels are assembled and aligned, carefully lift the **Ceiling Panel** into position, align and gently nip up bolts (*no initial sealant is required*).
- N. Slightly tighten all nuts and bolts. (*Note: There is no need to over-tighten the bolts, a firm tighten will suffice; do not stress the joins. Remove excess sealant.*)
- O. Apply the final 'visible' bead of sealant to joins, ensuring joins are void free. Refer to the sealant guide.

Your Spark Business Group is now assembled and ready for the installation of plumbing, electrical and accessories.