600 Series
Method of Build

komfort
partitioning solutions

600 Series - an aluminium 50mm framed system with vertical post variations for height up to 6 metres.

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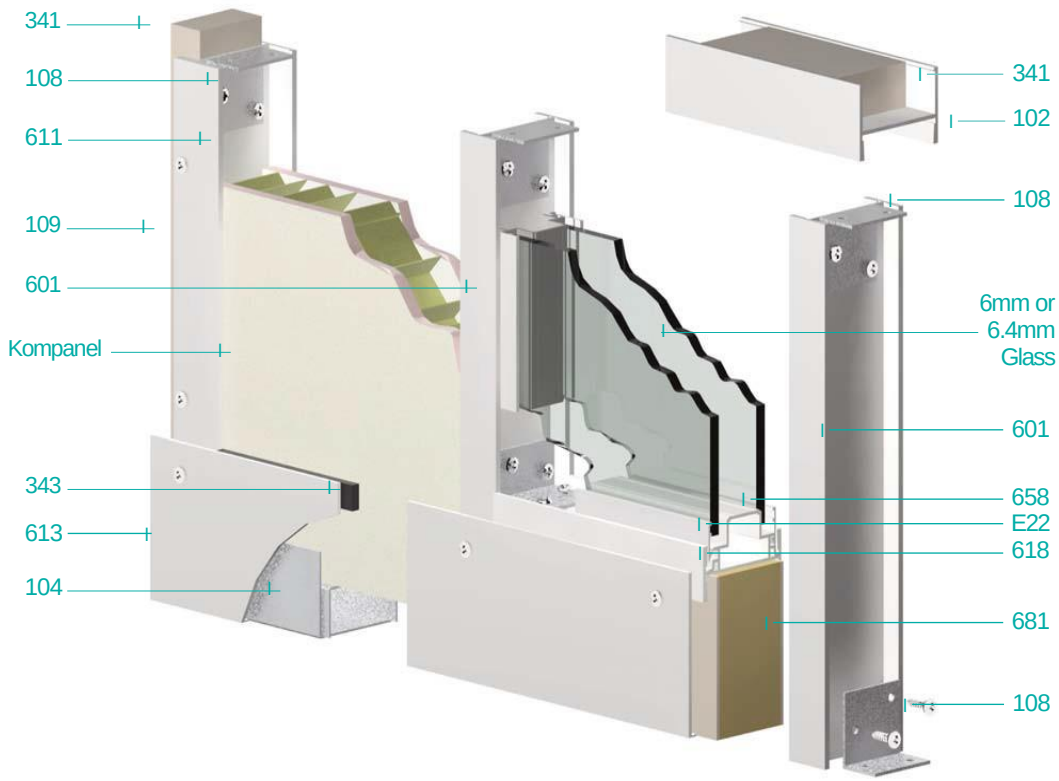

50mm Aluminium framed composite system with vertical posts variations for height up to 6 metres

1.0 Solid Module

1. Set out the partitioning run on the floor and mirror its length on the ceiling using a plumb and chalk lines. Alternatively, set out the partitioning run on the ceiling and mirror its length on the floor using the same method.

2. Take the 102 head channel and drill fixing clearance holes (diameter 3.2mm) through the centre web of the extrusion at a maximum of 600mm centres.

3. Insert the 341 foam into the deep side of the 102 head channel. At the same time cut holes in the foam at the position of each fixing hole.

4. Using suitable screws and plastic plugs (if required), fit the head channel assembly onto the ceiling with the foam facing upwards.

5. To obtain the height of the upright post measure the distance between the floor and underside of the head channel.

6. Using the dimension obtained at stage 1.5, cut the 601 upright post to the length required and fit the 108 fixing bracket to the top of the post. Allow the bracket to overhang by approximately 10mm to ensure that the various parts are drawn together to form a good joint. Then fit the bracket flush at the bottom of the post using the 302 pan head screws.

7. Place the upright post into the selected position making sure it is plumb in both vertical planes, and secure using suitable screws and plastic plugs (if required).

8. Fix the bottom section of the 104 two part floor shoe to the floor approximately 300mm after the first upright post and 300mm before the proposed position of the second upright post. Secure using suitable screws and plastic plugs (if required).

9. To obtain the Kompanel height re-measure the floor to ceiling height at the position of the first upright post. Then measure at the proposed position of the second upright post and deduct 50mm (this checks any run out of the floor to ceiling).

1.10 Once the Kompanel has been cut to the required height, slide the cut board through both fixed parts of the floor shoes and into the first upright post. Then jack up the board and slide the other half of the 104 floor shoe into position. Lower the board onto the assembled shoes.

1.11 Now position the second 601 upright post over the Kompanel by repeating stages 1.5 to 1.7.

2.0 Wall Abutment

1. When a wall abutment is reached and the normal 601 upright post cannot be used then the split post sections 611 and 109 are required.

2. To fit the 611 breakdown post, measure the distance between the floor and the underside of the head channel and cut the post to length. Drill the fixing clearance holes (diameter 3.2mm) through the centre web of the extrusion at a maximum of 600mm centres.

3. Insert the 341 foam into the channel side of the post. At the same time cut holes in the foam at the position of each fixing hole. (Due to variations in masonry walls it may occasionally be necessary for the 341 foam to be replaced by a suitably sized, shaped and colour matched timber in combination with 342 foam strips).

4. Position the 611 breakdown post assembly with the foam against the wall. Make sure that it is plumbed in at least one of the two vertical planes. Fix into position using suitable screws and plastic plugs (if required).

5. To calculate the width of the required Kompanel, measure from the edge of the 611 breakdown post abutting the wall to the nearest edge of the last 601 upright post. This should be done at both head channel and floor levels (to check for run out). For the height of the panel re-measure the floor to ceiling height at both the breakdown post and the last upright post (to check for run out) and deduct 50mm.

6. Once the Kompanel has been cut to the required height and width, offer the leading vertical edge of the panel into the last 601 upright post. Gently swing the panel round into the 611 breakdown post, then jack up the panel and position the two 104 floor shoes (completely assembled do not screw fix).

   (A suitable piece of timber 25mm thick x inside distance between the last upright and the breakdown post, could be used as an alternative to the floor shoes. This also applies when the distance is less than that of between the two floor shoes).

7. Finally drill the 109 flat bar at 400mm centres with fixing clearance holes (diameter 3.2mm) and then screw fix it to the 611 breakdown post using suitable coloured pan head, or flange head screws. (Please do not use countersunk screws).

3.0 Skirting

1. Measure or preferably, should the length of the partition run allow, take a length of 615 100mm plastic skirting. Hold it in the position required and then mark it lightly with a pencil where the cut is required.

2. After cutting to the length required find a clean protected area. Lay the skirting face down and apply the 343 self-adhesive foam strip along both long edges. Take care to ensure that the foam does not overlap the skirting edges.

3. Lightly hold the skirting in the position required. Then using a soft pencil, mark where the foam crosses the upright post. Using a suitably sharp knife, cut and remove foam at these points.

4. Holding the skirting, with its face to the partitioning, mark the back in pencil 50mm up from the floor and 10mm in from one edge of the upright post. Then centre between the upright posts for all fixing points. (Note: marking the centre of the post will result in drilling and screwing into the post's centre web). Drill the fixing clearance holes (diameter 3.2mm).

5. Offer the skirting into position, check the fit and using the skirting as a template, drill the pilot fixing holes (diameter 3mm). The fixing hole into the panel between the upright posts should be enlarged and fitted with a plastic plug. Using suitable coloured flange head screws fix the skirting into position and wipe it clean of any working marks.
   If there is some degree of variation in the floor level, the skirting should only be allowed to rest on the highest points of the floor. If attempting to follow the contour of the floor (unless shaping to match), bowing will generally occur along the face area of the skirting after installation.

4.0 Door Frame

1. At the position where the door frame is required, measure the distance between the floor and underside of the head channel. As for solid partitioning at stage 1.6, cut two lengths of 601 upright post to suit. Fix two 108 fixing brackets to each upright post.

2. From the site plan (or if already on site) establish the size of the door to be installed. Refer to the setting out details and select, as required, the correct size of 618 pre-bracketed door head transom.

3. To calculate the dimension between the inside upright post faces of the door opening, measure the door leaf and add 34mm.

4. With the established dimension, position the upright posts into place making sure they are plumb in both vertical planes. Fix to both the floor and the head channel using suitable screws and plastic plugs (if required).

5. If a 618 transom is to be fitted, mark lightly in pencil the top position for the transom on the upright posts using dimension 'T' (DIMENSION 'T' = DOOR HEIGHT + 45mm)

   (Remember that the setting out details leave a 2.5mm gap under the door. Some adjustment may be required to dimension 'T' to accommodate the different types/thickness of floor covering being laid either prior to or after installation of the partition.)

6. Having marked the transom position on the upright posts, take the selected 618 transom. With the brackets pointing towards the floor, ensure the transom is level, then screw fix it onto the upright posts using the 302 pan head screws.

7. If a solid Kompanel is required above the door, measure and cut to size. Release the transom and slide the panel into place. Re-position the transom ensuring it is still level.

8. Unwrap the 628 door frame kit (head and legs). All three parts should now be laid flat, in a safe area, until required.

9. Pick up the door head (without the rubber seal), offer it up to the transom (if fitted) or the head channel. Ensure that the doorstop is in the correct direction and screw fix it into position using the 311 door frame screws.
   Take care that the drill and screwdriver chucks do not damage the doorframe stop.

4.10 To obtain the length of the door frame legs, place a piece of packer (1mm thick maximum) onto the floor next to the door frame's vertical stud. Invert the door frame leg so that the mitre is carefully placed on the packer against the upright post. Now mark lightly in pencil at the bottom of the door frame leg where it intersects with the top of the door head mitre.

4.11 From the measurement obtained, trim the bottom of the doorframe legs to size.

4.12 Offer the trimmed door frame leg at an angle of approximately 30" to the mitre of the door head. Push upwards to swing it towards and onto the upright post.

4.13 Check the door frame leg is positioned hard against and central to the upright post.

4.14 Using a bolster chisel wedge the door frame leg upwards to close the mitre. Before removing the wedge, screw fix the door frame leg into place using the 311 doorframe screw.

4.15 Take the cast lock/striker box and push it into the prepared milling. Screw fix it into place using suitable pan head screws.

4.16 Take the short length of 868 - rubber seal and square cut to suit the door head size. Then press fit it into place so that the longest soft leg is positioned on the doorstop side.

4.17 The longer lengths of the 868 - rubber seal should then be square cut at the bottom and beak cut at the top to suit the length of the door frame leg. Press them into place.

4.18 The door frame is now ready for the selected door to be hung. (Don't forget to remove any pencil markings).

5.0 Glazing

5.1 In the same way as for solid modules, see stages 1.1 to 1.7, set out the glazed run and fit the 102 head channel, the 341 foam seal and the first 601 upright post.

2. From the site plan, establish the size of the glazed module to be installed. By referring to the setting out details, select the correct size of 618 pre-bracketed transom.

3. With the module centres established, measure and cut (as stages 1.5 and 1.6) the second 601 upright post. Then by using the selected 618 transom to space them out, position and fix the upright post into place using suitable screws and plugs (if required). Ensure it is plumb in both vertical planes.

4. If installing glazing at skirting level, measure the distance between the two upright post centre webs. Take a 681 flax strip (suitable for 100mm high skirting), cut if required and position it on the floor between the upright posts.

5. Take the selected 618 transom (see stage 5.2). With the fixing brackets pointing upwards sit the transom over the 681 flax strip ensuring that it is level. Screw fix it into place on the upright posts using 302 pan head screws.

6. If installing glazing at dado level, fix the bottom section of the 104 two part floor shoe to the floor, approximately 300mm in from each upright post. Use suitable screw and plastic plugs (if required) then complete the shoe assembly.

7. On the upright posts, mark the top position lightly in pencil to indicate the required transom height (dimension 'W') given in the setting out details.

8. To obtain the Kompanel height (Dimension 'P'} as opposed to the elected dado height (dimension 'W') deduct 40mm. (DIMENSION 'P' = 'W' MINUS 40).

9. Once the Kompanel has been cut to the required height and width, hold the pane approximately central to the floor/ceiling height. Offer a vertical edge into the first upright post and then, by slightly spreading the posts, spring the panel into the second post. Gently lower it onto the floor shoes.

5.10 Take the selected 618 transom (stage 5.2). With the fixing brackets pointing upwards, place it over the Kompanel. Align it with the pencil marks on the upright posts (stage 5.7) ensuring that the transom is level. Screw fix onto the upright posts using 302 pan head screws.

5.11 For other glazing variations, including banded or to door head height, the transom can now be installed. Mark on the upright post, lightly in pencil, the top position for all the other transom heights then screw fix them into place.

5.12 It is now possible to cut and fit the chosen horizontal glazing chair (single centre, single offset or double glazed). To suit the module size, measure the distance between the inside edges of the upright posts and add 18mm. If necessary, trim away the underside support web of the chair at the point where the seating crosses the 108 fixing bracket.

5.13 For the vertical glazing chair, cut a preliminary length of material approximately 25mm over size to the glazing opening.

5.14 Carefully offer the preliminary length of material into position against the upright post and with one edge resting on an installed horizontal chair. Now mark it lightly in pencil at the point where it intersects the other horizontal chair.

5.15 From the measurement obtained, cut it to length and install into the 601.

5.16 Both the horizontal and the vertical glazing bead can now be cut to size. The measurement for the horizontal bead is calculated from the distance between the inside faces of the vertical posts (601) plus 6mm. The measurement for the vertical bead is the distance between the two horizontal beads once installed.

5.17 It is recommended that glazing beads are installed for safe keeping until the glass is on site and ready for installation. (If aluminium glazing bead and chair are being installed then a suitable foam gasket to accommodate the glass thickness must be used. This should be fitted to the chair and bead after cutting and before fitting the glass).

5.18 To complete the glazing module fit the assembly skirting. See stages 3.1 to 3.5.

5.19 Finally clean all the partition metal work by wiping down using a damp cloth with a solution of washing up liquid and warm water. Make sure that all pencil marks have been removed. (Please do not use abrasive cleaning creams, papers or alkaline substances).

6.0 Other Installation Instructions

The following additional installation instruction are available on www.komfort.com

600/HT GUIDE.1 - Quick Guide to Solid Partition Construction Heights. 600/HT

GUIDE.2 - Height Performance Specification.

600/HT GUIDE.3 - Recommended Door for Partitioing Height.

600/WEI.1 - Module Weights.

600 ELEC.1 - Electrical Switch Installation.

600 BLIND INST.1 - Venetian Blind Fitting.