ULTRASYSTEMS

ULTRA SLAT
PARTS & ACCESSORIES

OUTER FRAME CHANNEL: The channel extrusion is used as the outer frame for mounting slats. The channel is provided in a maximum length of 7250mm and can be powder coated to standard colours.

INSERT COVER: Cut according to gap sizes and insert into the outer frame channel to determine gap size and keep slats in place. Available in a maximum of 7250mm lengths and can be powder coated to standard colours.

SLATS: Fitted into the outer frame channel, they are 20mm thick and available in 45mm, 90mm and 140mm. Available in a maximum length of 7250mm and standard powder colours can be ordered.

SLAT END CAP: Custom made to fit each different size slat. Available in Black, Grey and White.

ULTRASYSTEMS

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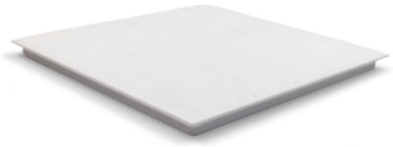
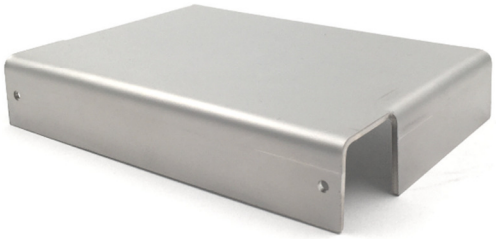
POSTS: Available in 76mm x76mm x 2mm square tube, 76mm x 76mm x 3mm square tube and 76mm ∅ x 2mm round tube. 6000mm lengths.

POST CAPS: Purpose made 76mm x 76mm square tube end cap and 76mm ∅ round tube end cap to finish off posts. Available in Black, Grey and White.



OUTER FRAME CORNER CONNECTOR: Fitted into the outer frame channel to stabilize and align the mitre corners.

OUTER FRAME CHANNEL END CAP: Finish off the outer frame channel with an end cap. Available in Black, Grey and White.



ULTRA SLAT TOOL: Use the Ultra Slat tool as a template to predrill holes in exactly the correct spot. Available in 140mm, 90mm and 45mm.

ULTRASYSTEMS

HOW TO INSTALL THE ULTRA SLAT SYSTEM

ASSEMBLY OF ULTRA SLAT PANEL WITH FRAMES ON 4 SIDES

(GENERALLY FOR INSTALLATION INTO A DOOR PANEL, GARDEN GATE OR FOUR-SIDED OPENING)

1. Use the Utra Slat Calculator to compile your cutting list. Fill in all appropriate fields. Use outer manufacturing size, quantity and size of slats, etc. Check that the gap sizes between slats are acceptable. Cut all materials according to the cutting sheet.

2. Use the mitre cut outer frame to assemble a frame with two sides and a bottom.

3. 6X19 dome head stainless steel self-tapping screws are used to join the outer frame corners.

4. Insert the plastic corner supports into the two bottom corners.

5. Use one of the long Ultra Slat insert covers cut from the cutting list. Insert it into the bottom of the Ultra Slat outer frame and move to centre.

   You are now ready to start installing slats.

6. Install an Ultra Slat insert cover cut at your gap size into each side frame and slide to the bottom against the long cover. This produces your first gap from the underside of the frame to the first slat.

7. Take a slat cut to size according to the cutting list and slide it into the side frames from the top of the frame, pushing down until the slat pushes tightly against the first frame cover which produced the gap.

8. Now repeat the process, installing an insert cover at gap size on either side and again sliding in a slat from the top, up against the cover until all the slats are in place.

9. Push an outer frame connecting block into each top corner of the frame.

10. Fit the remaining long Ultra Slat insert cover into the top of the Ultra Slat outer frame and centre.

11. Secure the remaining top frame into position with 6X19 dome head stainless steel self-tapping screws on either side.

12. Your Ultra Slat unit should now be fully assembled. The slats now need to be secured into position and this can be done in 2 methods as follows:

    1) Riveting through the face of the outer frame channel:

       Rivets can be fitted through the face of the channel directly into the slat to secure the slat into position. Note that the rivets may be visible after installation.

    2) Screw fixing from the back of the outer frame channel into the screw ports of the slat:

       Use the Ultra Slat fixing tool which fits and hooks over a slat onto the outer frame channel as a jig to indicate hole position to be drilled with a 3.2mm drill bit. These holes will align with the screw ports in the slat.

       Fit 6X19 dome head stainless steel self-tapping screws through the drilled outer frame holes into the screw ports in the slat. These screws should not be visible after installation.

       Your Ultra Slat panel is now ready to be fitted into the product of your choice.

ULTRASYSTEMS

HOW TO INSTALL THE ULTRA SLAT SYSTEM

ASSEMBLY OF ULTRASYSTEMS ULTRA SLAT PANEL WITH FRAMES ON 2 SIDES

(GENERALLY FOR FENCING & SCREENING PURPOSES)

1. **FOR FENCING:** Use the 78X78 square post uprights cut to the required height.
2. If fitting to pickable ground, the post will be fitted at an appropriate depth using premix concrete or post fix foam filler to ensure that the post is secure.
3. Side channels are cut to the required height and fixed to the post on site using 8X16 dome head stainless steel self-tapping screws.
4. Ensure that channels are the same height on either side of each individual channel.

5. Use the slat calculator with the option where top and bottom frames are excluded. Use the tight width between each fence post and the height of the outer frame side channels as the manufacturing height.
6. Enter the appropriate slat quantity and size and ensure that the gap size is acceptable.
7. Cut your materials according to the cutting list, excluding the channels which are already fixed to the posts.
8. Take your first slat which will form the bottom slat of your fence and slide it into the top of the outer frame channels and drop all the way down to the bottom level.
9. Now ensure that the bottom slat is level. Fix the bottom slat in place by drilling through the face of the side channel into the slat and secure into position with two 8X16 dome head stainless steel self-tapping screws on either side.
10. Fit in insert cover on either side and drop down. This will form the height of your first gap.
11. Now repeat the process, installing an insert cover at gap size on either side and again sliding in a slat from the top, up against the cover until all the slats are in place.
12. Secure the top slat into position with 8X16 dome head stainless steel self-tapping screws on either side.
13. Secure the balance of the slats on either side through the face of the outer frame channel into the slat as deemed necessary.
14. Fit the outer frame cover cap on top of the channels and a post cap on top of the posts to finish.

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