

**Balcony balustrade system Installation Instructions**

- 1) Install or preinstall any structural steel posts in correct position (if there are posts)
- 2) Sheath the steel insert post with the aluminium cover post. On balcony 1 system spiral a thick bead of silicone right around the insert post from top to bottom in a spiraling manner this will, when dry glue the aluminium to the structural post and isolate an freedom between the two. On balcony 2 system this should also be done but in addition a mechanical fixing can be added under the cover plates.
- 3) Connect handrail sections if needed
- 4) Place handrail on the floor at the position it should be, to view that dimensions fit.
- 5) Mark lines to later position correctly the bottom track.
- 6) Using a level mark the handrail position at the correct height and fix the stainless steel end angle brackets firmly to the wall. Do this on both sides.
- 7) Lift the handrail and drop onto the angle brackets, and then drill 4mm holes through the angle brackets into the bottom of the handrail. Into these fix 4.8mm s/tap screws that will fix the handrail to the angle bracket. Do this on both sides. (If the balustrade is large or has a shape that will create a sag you will need to prop up the handrail along until the glass is placed in and siliconed)
- 8) Install/fix the bottom track so that it vertically aligns to the glass line of the handrail above.
- 9) Remove glazing beads if in place.
- 10) Identify the glass sizes and place two spacers on the bottom track for each glass and use a dab of silicone to let them stay in place. Make sure the spacers are high enough to clear any screw heads you have used to fix the bottom track to the floor
- 11) Place the glasses on, one at a time in their positions. To hold them temporarily in position use the small glazing bead pieces provided and small 3mm rubber.
- 12) Once all the glasses are in place use the additional spacers provide to level out and align all the glass heights and spaces to your satisfaction.
- 13) Place some spacers above the glass and under the handrail to ensure the handrail profile is not resting on the glass and to prevent sagging.
- 14) Using silicone fill the space between the bottom of the glass and the bottom rail. And the space between the top of the glass to the underside of the handrail. Make sure not to get silicone into the slots in the handrail and bottom track where the glazing beads are to be replaced. This will, when dried, in effect glue the aluminium handrail and bottom rail to the glass.
- 15) When the silicone is dry remove the small beads and replace the full length glazing beads. Insert the 3mm rubber gasket in the handrail and bottom track between the glass and the glazing bead. (using soap water can ease the process)
- 16) Trim off excess rubber.

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