

The following is a guideline for top or side mount installation of the UltraSystems Channelfix Balustrade System. This is a guideline only. Consult a professional engineer or make use of a Competent Person Glazing Category 1 when installing any balustrade system.

ULTRASYSTEMS CHANNELFIX BALUSTRADE SYSTEM CAN BE INSTALLED WITHOUT THE NEED OF ENSURING THE FITTING SURFACE IS COMPLETELY LEVEL

1. Ensure that the substructure to which the balustrade will be fitted is suitable for installation of the balustrade system. If needs be, consult an engineer.

2. Fit the base channel securely to the substructure using the threaded rod and chemical anchor. Ensure that the channel on any given length is level within 10mm.

Consult the chemical anchor guidelines for the time required for the chemical to reach full cure. Following cure, the base channel should not be able to move under any circumstances.

3. Fit the setting blocks into the base channel as required for glass to rest on and to level the glass over its length. There should be no glass to metal contact.

4. Carefully insert the glass panel into the channel, trying to keep the glass centered in the channel.

5. Lean the glass panel inwards (towards the balcony/building), drop the outside line of isolators into the channel, with the plastic surface against the glass and the adjustment bolt heads facing outwards. Let the isolators slide down the glass into position. There should be an isolator over every fixing bolt.

6. Now lean the glass panel outwards (away from the balcony/building), just enough to allow the outside isolators to fall neatly into position. Lean the glass past vertical to the outside, just enough to drop the inside isolators into position, opposing every outside isolator. There will now be an inside isolator positioned over every fixing bolt.

7. Hold the glass panel plumb, and using the bent spanner, tighten the inside and outside isolator on each end of the glass until they are not able to move anymore, and the glass remains plumb. Do not overtighten.

8. The glass panel can be adjusted plumb by loosening the bolts on an isolator on one side and tightening the bolts on the opposing isolator. NB: the glass will lean towards the side that is being tightened.

9. Tighten all intermediate isolators, inside and outside of the glass to the point where they are hand tight and the glass remains plumb. Do not over tighten.

10. Use a rubber mallet and a glazing tool to lightly and carefully tap the top of each isolator downwards in the channel. This process is seating the isolator in the channel.

11. Check the isolator bolts again, after seating some may appear loose. Hand tighten all isolator bolts again.

12. Attach the glazing bead with bubble seal to the top of the base channel to finish off the installation.

