

Glass Juliette Balcony Fixing Guide



This is a guide which should help when installing a glass Juliette balcony into masonry using threaded bar and resin (also known as chemical fixing). We supply a 17.52mm toughened laminated glass panel with either 4 or 6 nr stainless steel glass adaptors (generally anything above 1.5m will have 6). The adaptors have an M10x300mm thread. This can be unscrewed, if required.

This guide should only be used for chemical fixing. If you are fixing into timber then you will unscrew the M10x300mm threaded rod and replace with an M10 wood to metal dowel.

What is a chemical anchor?

Chemical or resin anchors are generic terms relating to steel studs, bolts and anchorages which are bonded into a substrate, usually masonry and concrete, using a resin based adhesive system. Ideally suited to high load applications, in virtually all cases the resulting bond is stronger than the base material itself and as the system is based on chemical adhesion, no load stress is imparted to the base material as with expansion type anchors and are therefore ideal for close to edge fixing, reduced centre and group anchoring and use in concrete of unknown quantity or low compressive strength. Although there are many differing variations and delivery systems in the market, all systems operate using the same basic principle with the base resin, requiring the introduction, by mixing, of a second component to begin the chemical curing process, hence the term chemical anchor.

Steps

1. **Mark** positions for holes. You will have been supplied a drawing which shows glass dimensions, including hole positions. You may like to make a template from plywood or correx. Holes drilled in the glass will be 28mm dia. The stainless steel glass adaptor gives a 38mm spacing from the wall and the outer disc is 50mm dia.
2. **Drill** holes using a suitable drill and masonry bit. Our threaded rods are M10 (10mm diameter) so we would suggest a M12 hole. Some people may prefer a 4mm gap which makes it 14mm.



Two popular brands include Fischer and R-Kem. Both of which are available from builders merchant type companies, such as Screwfix.

8. **Fit** the glass by placing over the threaded rods. This should only be done when the resin has fully cured. A 2100x1050mm panel weighs approx 97kg. Please take extreme caution. Once in place, the 50mm outer discs can be screwed in place and tightened (you may like to use a C spanner). On completion, ensure resin is set, glass is line and level and the adaptors have been fully tightened.

And that's it - you're done! If you can send us a photo of the completed project that would be very much appreciated!