



1. Aluminium Base Rail

The aluminium base rail should be put into position and the holes onto the material for fixing. Mark it out for drilling. The aluminium base rail should then, after the holes have been suitably drilled out, be put in place and be levelled and plumbed out with the use of our shims. Once the shoe is plumb and level the fixings should be tightened up to make the channel rigid. If the fixings used are the fischer FII 12/10s concrete fixings then the torque should meet 40NM. If the FHB II AL resin fixings are used the a torque rating of 40NM. Once this has been achieved it is now time to put the isolators into place.

2. Plastic isolators

The isolators are the bottom part of the wedging system and should be placed 100mm from each end and at every 250mm centres from there on. The lip part of the isolator should be facing upwards and be placed on the wedge side of the channel and the flat on the packer side.

3. Glass and packer fitting

After the isolator has been fitted you should now put the glass into place on the flat of the isolator inside the channel at the desired positions. When this has been done the packers should now be carefully put into place. These packers should be in the same location as the isolators but as explained above, on the flat side of the isolator.

4. Wedge fitting

Once the glass and packers have been fitted it is now time to put the plastic wedge in. This wedge should be put in place so the thin part is facing upwards and is placed onto the lip part of the isolators. The plastic wedge should be pushed up against the glass and the aluminium wedge put down between plastic wedge and the aluminium channel. When this aluminium wedge is pushed down into place the head should only show 15mm of itself above the channel before tapping in with a hammer and bolster. This locks the glass into place.

If there is more than this showing then the glass thickness is likely to be in error by half mm or so. This is a common error with glass manufacturers. To overcome this problem there are two options available these are to skim the half mm off of the packers or to trim up to 10 mm off of the wide part of the plastic wedge. However before undergoing either of these please ring us on 01208 261 040

5. Handrail Fitting

Once you have applied the wedges and all is correct then it is time to apply the handrail, if you are using one. If not please skip this step. Before doing this it is an idea to check that the glass is perfectly plumb and level. Due to the heat soaking process at the glass plants you may note a slight bend in the glass, this will be taken out with the application of the handrail. If all of this is correct then the strips of 100mm gasket should be placed into the top of the slotted handrail. These pieces should be placed every 300mm with a blob of adhesive in between. Once this has been achieved then the two sides of gasket should be pressed into the channel. The gaskets should be placed into the channel so the angled side pieces are on the glass side. To aid with fitting the gasket it is recommended to wipe a smear of soapy water on the glass, this acts as a lubricant that can easily be removed and won't damage the glass or gasket properties.

6. Cladding Fitting

Once all the above fitting has been achieved and is correct it is now time to apply the cladding. There are two ways to apply the cladding, these are with the use of our cladding tape or with silicone. The method with the cladding tape, although will be stronger overall it only gives you one chance to fit and does not allow any movement. However the silicone method is strong as it is in a liquid type form before curing and therefore allows minor adjustments after bonding and will still give the same end result.

To apply the cladding tape it should be rolled out onto the shoe channel in a straight line across the top and three strips along the sides. When this has been done you now need to remove the yellow paper cover strips and apply the cladding to the adhesive.

To apply to silicone the same sort of concept is used however, it is best to apply thin lines of silicone to the cladding rather than the shoe as it makes it easier and saves getting any excess silicone on the glass. The cladding can now be pressed against the shoe and any minor movements be made.

7. Silicone Bead

Finally after all the above has been completed then it is recommended to apply a small silicone bead to the top of the cladding, this gives it a nice finish and will repel any water spilt or weathered onto it.

We have tried to make the system as simple and easy to install as possible, however should you not feel confident enough to fit this please contact a reputable glazier or builder.

Should any problems arise please don't hesitate to contact us through the following ways:-

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