# POSI-Lite
## Side Mount
## INSTALLATION GUIDE

### Safety
Gloves for handling glass
Eye protection goggles
Ear protection

### Tools
Drill & suitable drill bits
Spirit level
Tape measure
Hole blower (concrete fixings)
Socket set 1/2inch
Torque wrench 1/2
Blocks to support glass
Quick grip (to hold spirit level in place)
POSI Spanner
Glass cleaner and rag

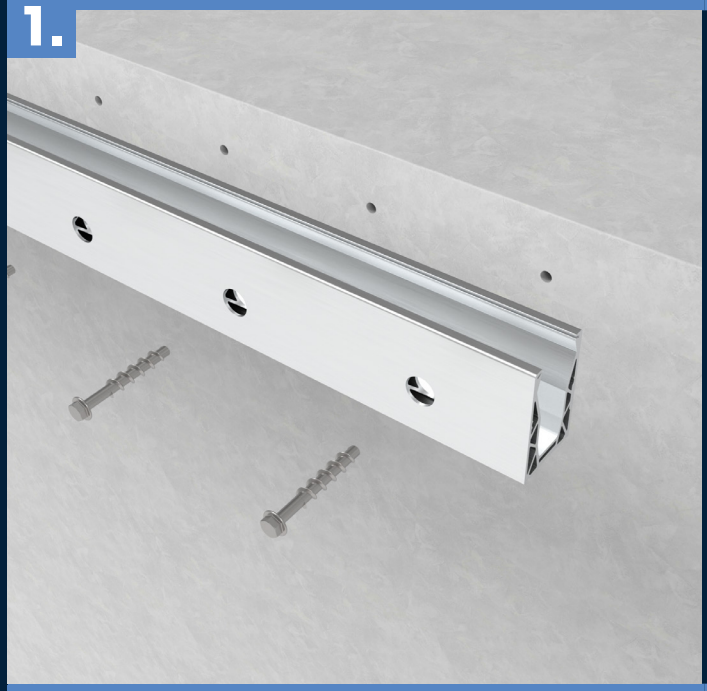
**Should any problems arise or you have any questions please don't hesitate to contact us:**

**T: +44 (0)1208 261 040**
**E:- sales@pure-vista.com**
**www.pure-vista.com**

# POSI-Lite Side Mount

## INSTALLATION GUIDE

1.

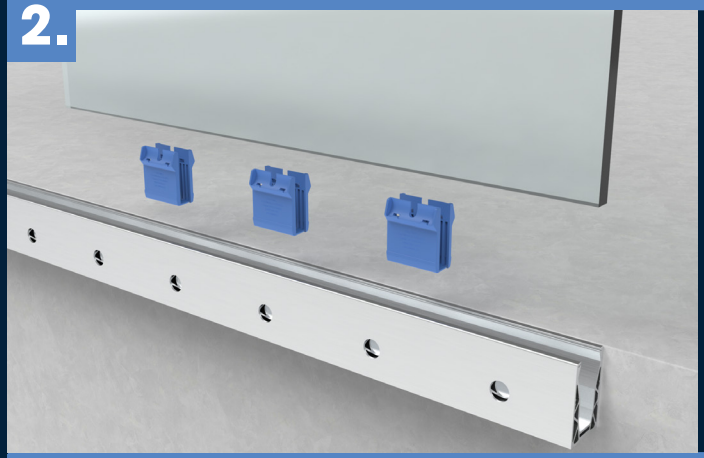


### FIT THE CHANNEL

The POSI-Lite side channel should be placed onto its designated position and the holes marked onto the substrate for drilling. Once the shoe is lined up with the holes and is level, the fixings should be tightened up to make the channel rigid. The fixings must be tightened in accordance with the bolt manufacturer's instructions. M12 bolts/fixings must be used. The dowels should be used to align the channels and an inhibitor or clear sealant (Neutral Cure/low-modulus silicone) rubbed on the raw aluminium when the channels are butted together. This should be wiped clear on the channel surface.

Ensure the channel is clean inside before fitting the glass. If cutting the channel make sure all metal filings (swarf) are removed. *

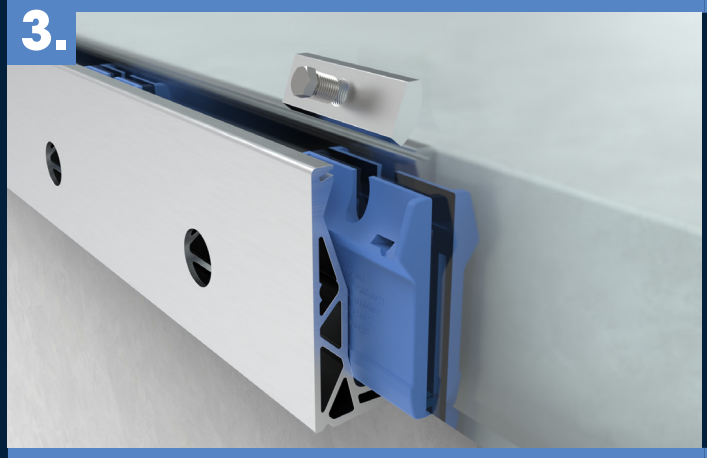
2.



### CLAMP THE GLASS

Make the clamps by slotting the left and right sides together. Attach the clamps evenly along the bottom edge of the glass, using the glass clamp placement chart at the end of the guide for reference. Squeeze the clamps tight around the glass and position the panel into the balustrade channel. You must ensure at least 2 clamps are used per glass panel. The glass can now be lowered into the channel.

3.



### FIT THE BOLTS

Once the glass is in position, screw the bolts into the clamp bars. The screw needs to go into the flat side, the curved side will fit into the clamp. Slide the aluminium bars curved side down into the recess at the top of each clamp, on both sides of the glass.

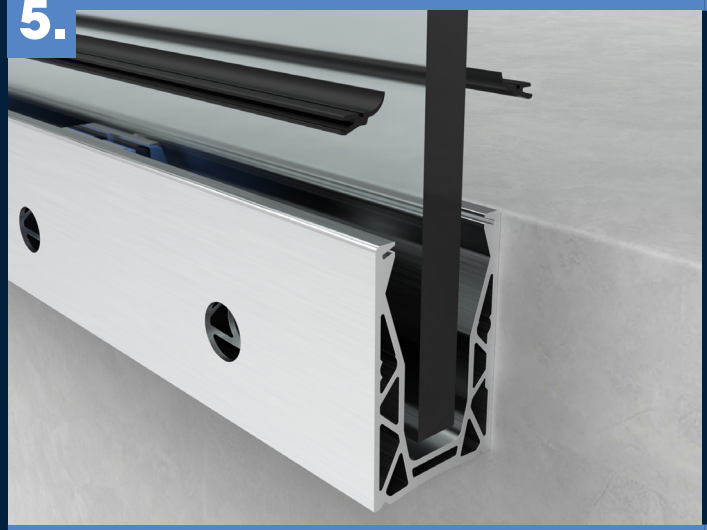
* When fitting to metalwork a barrier between different metal types must be used.
Additional waterproofing may be required. We strongly advise measuring and ordering the glass after installation of the channel.
Gaps between the glass should be no less than 5mm. In extreme temperature changes the profiles may expand and contract.
Small gaps may need to be left between profiles.

4.

## ADJUST THE GLASS

With the bolts loosely in place, the glass panel will be able to move a few millimetres in each direction. Align the glass using the angled spanner to adjust the clamp bars. Unscrew the bolts against the profile (anticlockwise). Once positioned correctly, unscrew the bolts on both sides to tighten. Both sides need to be tightened to make sure the glass is fixed in place. Give the bolts an additional half turn from their tight position to ensure that the glass is securely held in place. A torque of 8Nm should be applied. An adhesive, such as Loctite, should be used on the threads once the glass is set.

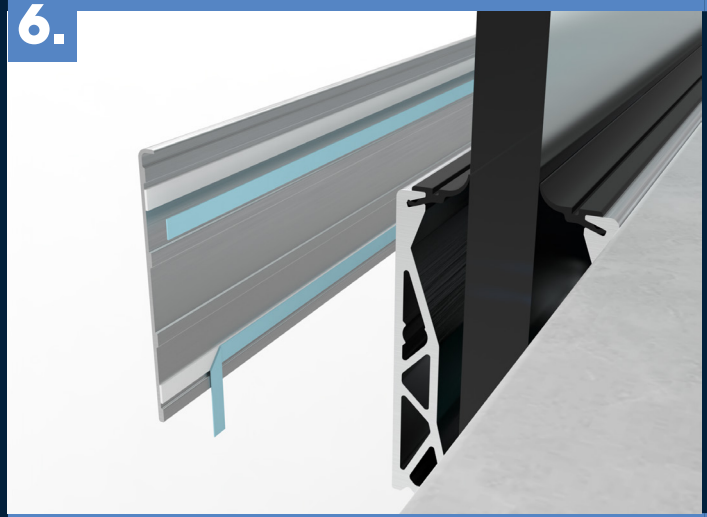
5.



## ADD THE GASKET

The gasket simply hooks and pushes into the recess at the top of the channel for a tidy finish.

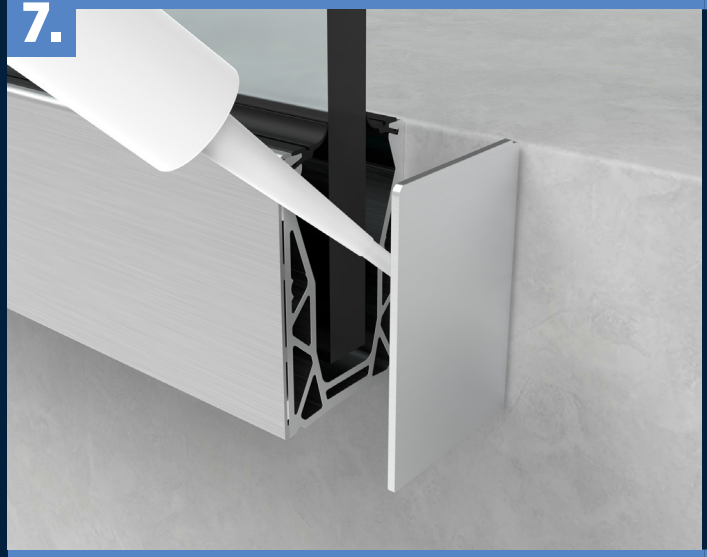
6.



## FIT THE SIDE CLADDING

Remove the backing from the top strip and the corner of the bottom strip.  Position carefully onto the side of the channel.  Once in the correct position, remove the bottom strip and press it into place.

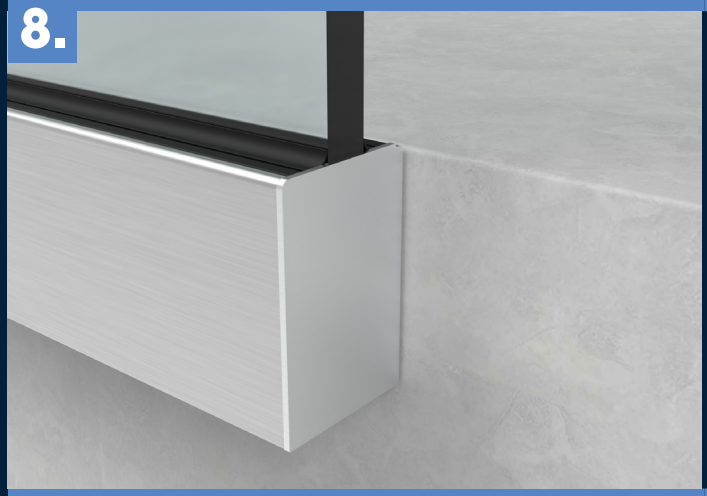
7.



## APPLY END CAPS

Using sealant or glue, apply the flat end cap to the end of the channel and press into place.

8.



## FINISH INSTALLATION

Once everything is correctly in place, the glass and channel will need to be cleaned. Using a non-abrasive glass cleaner for the glass and warm soapy water for the channel. We reccomend using a soft cloth to avoid scratches. Please refer to the operating and maintenance manual for further maintenance.

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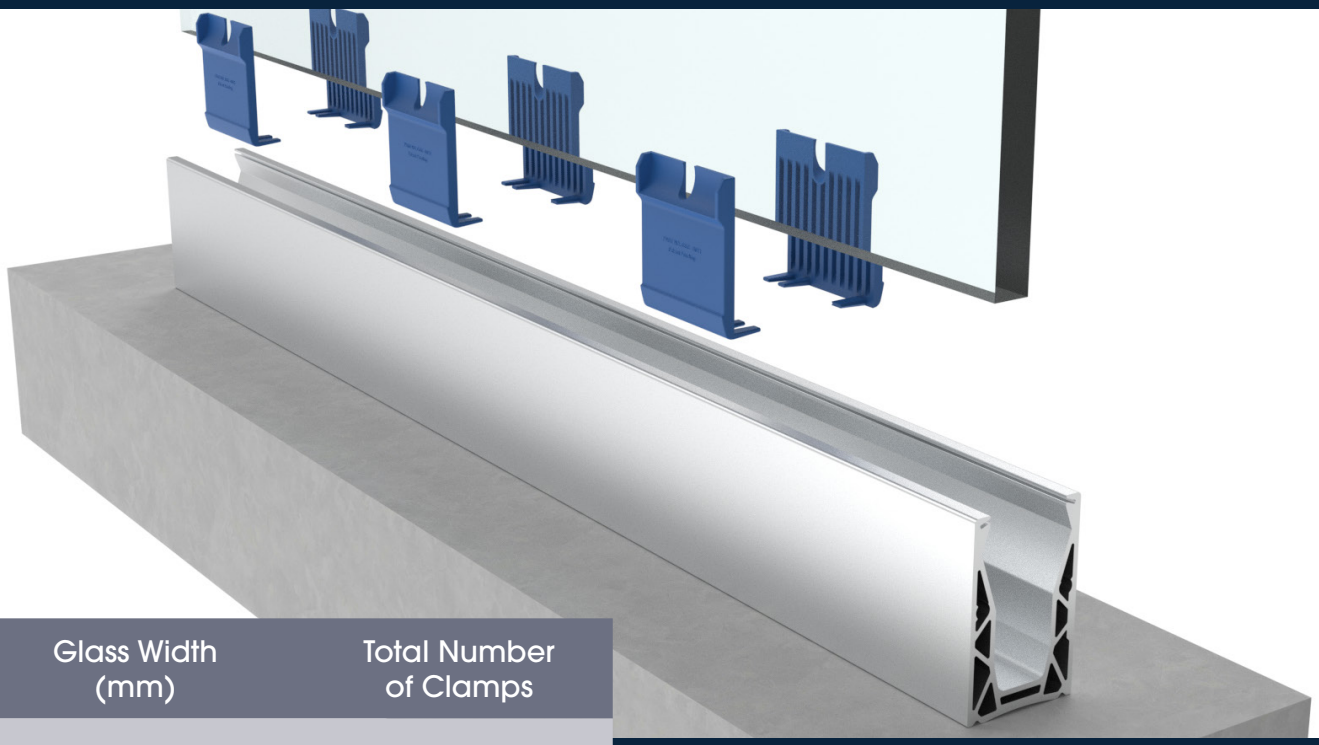
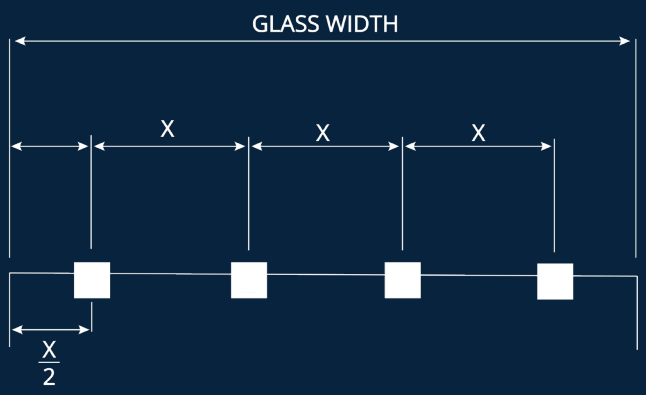
POSI-Lite

# GLASS CLAMP GUIDE



| Glass Width (mm) | Total Number of Clamps |
|---|---|
| 400 - 799 | 2 |
| 800 -1149 | 3 |
| 1150 - 1499 | 4 |
| 1500 - 1849 | 5 |
| 1850 - 2199 | 6 |




Glass width divided by number of clamps = X
X divided by 2 = First centre of clamp position from the edge of the glass.

| Glass Width (mm) | Number of Clamps | Glass Edge to Centre of Clamp (mm) | Clamp Spacing (mm) |
|---|---|---|---|
| 1000 | 3 | 166.5 | 333 |
| 1250 | 4 | 156.25 | 312.5 |
| 1300 | 4 | 162.5 | 325 |
| 1400 | 4 | 175 | 350 |
| 1500 | 5 | 150 | 300 |