



Visoglide Plus patio door

Energy Rating C uValue 1.8Wm²k

Visoglide Plus patio door

- Available double or triple track to enable multiple sliders to move in the same direction
- Available with 2/3/4/5 or 6 sliding sashes
- The sliders are on the inside of the track unless otherwise requested
- Face drained only (secret drainage is not available)
- High security 5 Point lock and one piece keep on main opening doors
- The standard handle is a lever/lever (see image overleaf), available in White, Black & Satin anodised. An optional D handle is also available in Satin anodised, White & Black.
- We are also able to colour match the handles to the profile, please ensure you notify us at point of order to avoid delays.
- Standard threshold width is 99mm (165mm triple track) with Nylon rollers at the bottom of the track providing smooth and easy operation (face drained as standard).
- An alternative outer frame is available to allow the internal floor finish to be flush with the top of the track, see the data sheet for details. This **MUST** be requested at the time of quoting/ordering.
- Double glazed 28mm units, (Planitherm, warm edge, argon) 1.2 u-value centre pane gives an overall 1.8 u-value
- Triple glazed 36mm units, (Planitherm x1, warm edge, argon) 1.1 u-value centre pane gives an overall 1.7 u-value
- Triple glazed 36mm units, (Planitherm x2, warm edge, argon) 0.8 u-value centre pane gives an overall 1.5 u-value
- Can be manufactured in accordance with Smarts PAS24 allowing doors to conform to Document Q

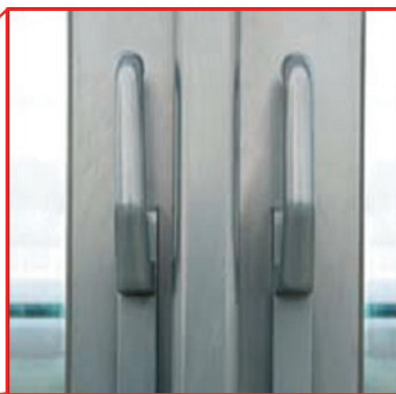
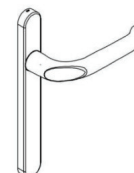


Image above showing the standard lever/lever patio handles which are available in white, black or Satin anodised as standard. We are also able to colour match to the profile but you should tell us at the point of order to avoid delays as they are on a long lead time. Please note that the levers on these handles point upwards and having the locking barrels below.

Note:

Handles to one side only is not possible. If key locking to one side only is required then a handle with no cylinder is available.



so you think all **window** companies are the same...**think again!**



My Ali Framing Solutions Visoglide Plus Patio door

Image below showing the optional D Handle which is available in white, black or satin anodised, as above we are also able to colour match this to the profile.



PLEASE NOTE that we fit the sliders on the inside unless otherwise specified

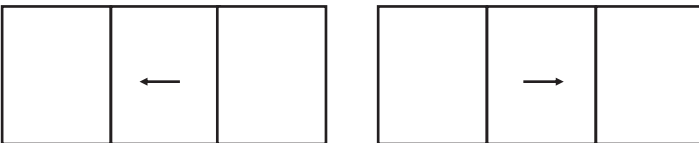
Configurations

- There are many different configurations, depending on the overall size of the patio doors, the number of door sashes you require and what combination you want them sliding in.
- Doors with 2 sliders going in the same direction will have a 3 track frame (see below)
- The maximum height is 2550mm
- The maximum weight per door leaf is 250kg
- Slim and heavy duty interlocks are available see [page 77-80](#)

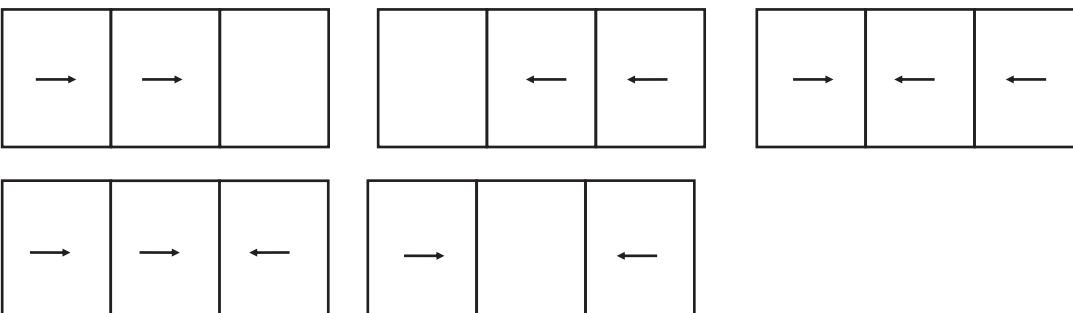
2 Door options – 2 track frame



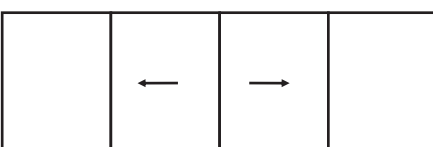
3 Door options – 2 track frame



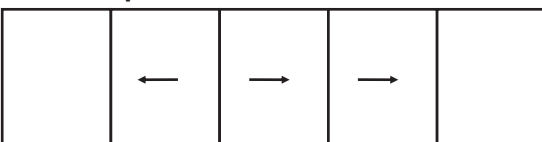
3 Door options – 3 track frame



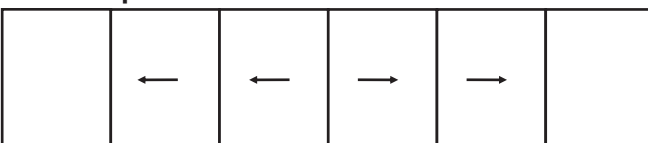
4 Door options – 2 track frame



5 Door options – 3 track frame



6 Door options – 3 track frame



Please bear in mind that large doors are heavy and therefore consideration should be given to having them flat packed for assembly on site. There is a charge for this option as the doors are fully fabricated before being dismantled and wrapped separately. Full assembly and installation instructions are available on request.

We strongly recommend that you install either a cavity tray or DPC membrane between the cill and the brickwork.

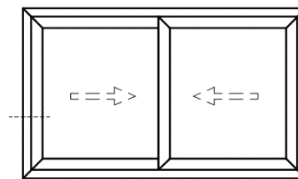
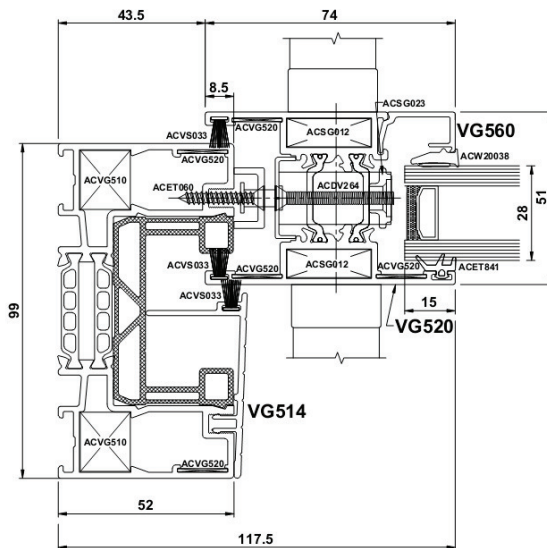
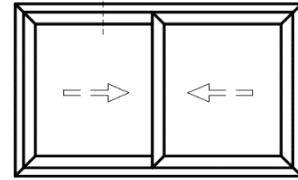
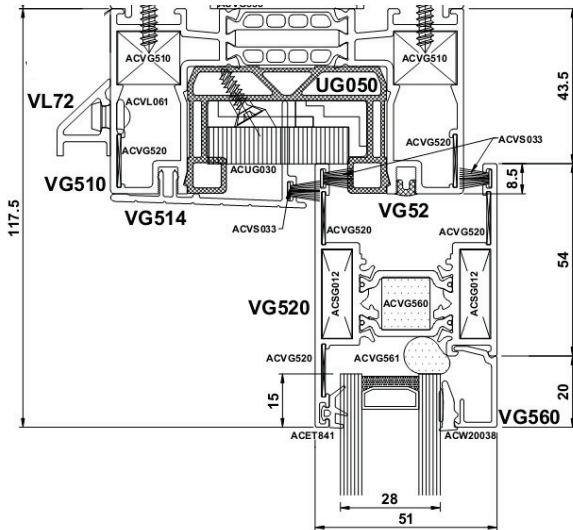
Note :

Frames over 5000mm in width will be supplied flat packed.

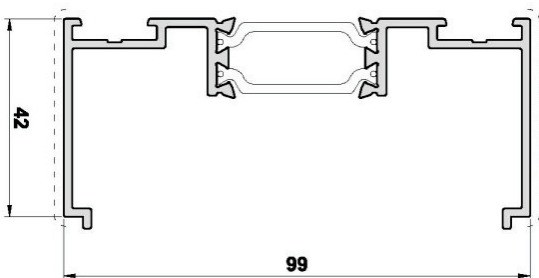
Sliders on the inside unless otherwise specified

so you think all window companies are the same...think again!

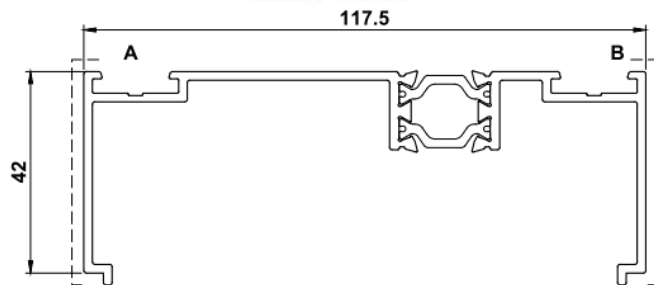
Cross sections of the double track patio



VG558
VG510 Track
Head Extension



VG572
Head Extension
VG511 Track



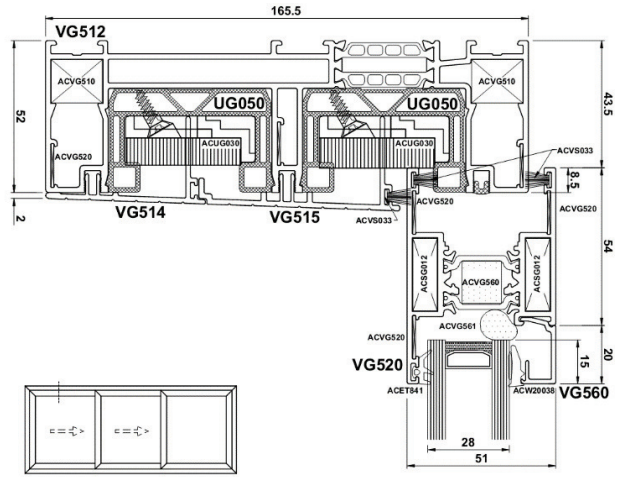
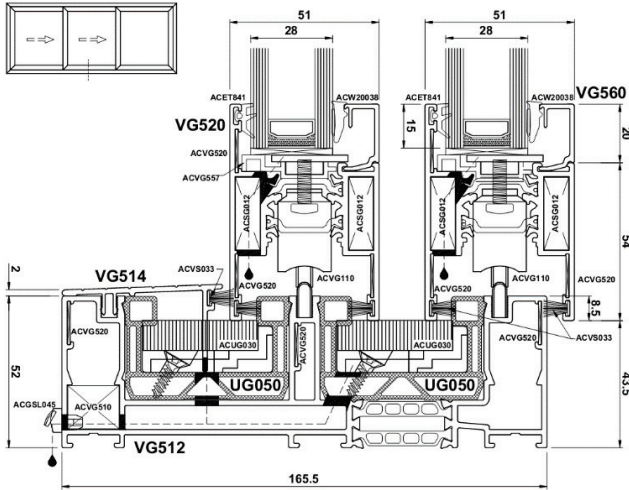
Sliders on the inside unless otherwise specified / Patio outer frames are face drained as standard

so you think all window companies are the same...think again!

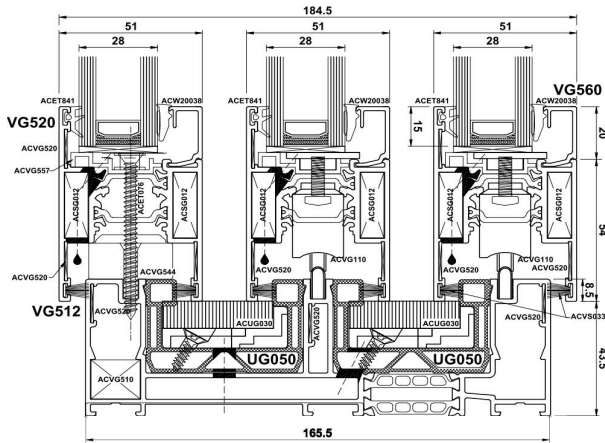


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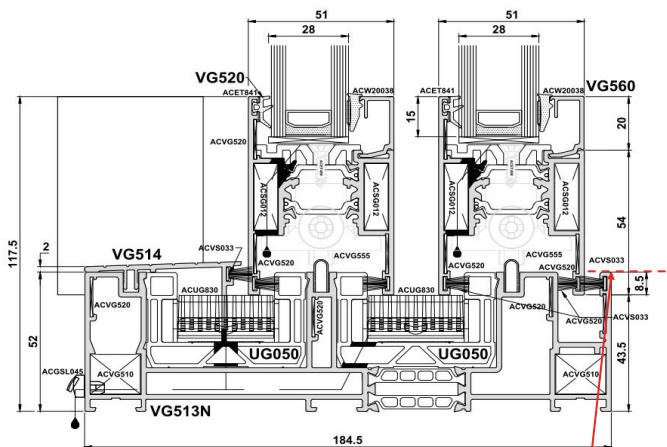
Cross sections of the triple track patio



Standard triple track outer frame

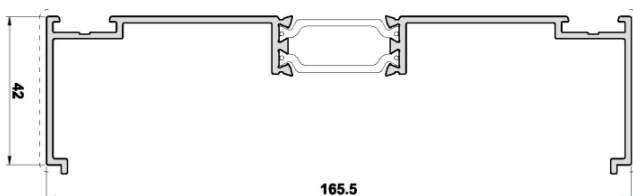


Optional flush fitting triple track outer frame

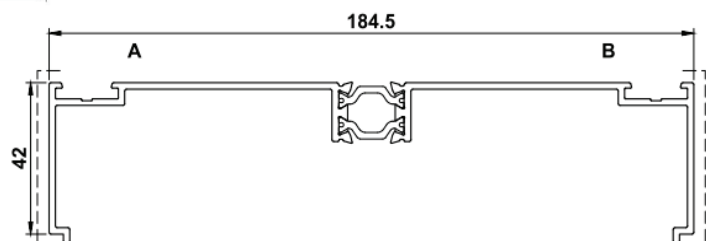


VG513 outer frame allows the internal floor level to finish flush with the top lip of the patio outer frame

VG559
VG512 Track
Head Extension



VG573
VG513 Track
Head Extension

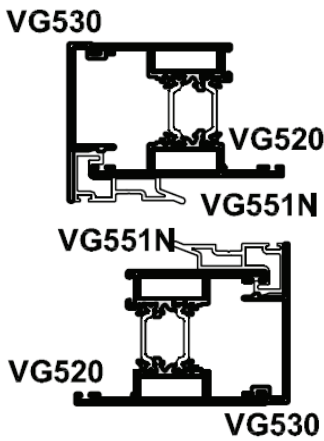
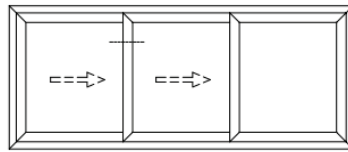


Interlock / Meeting stiles

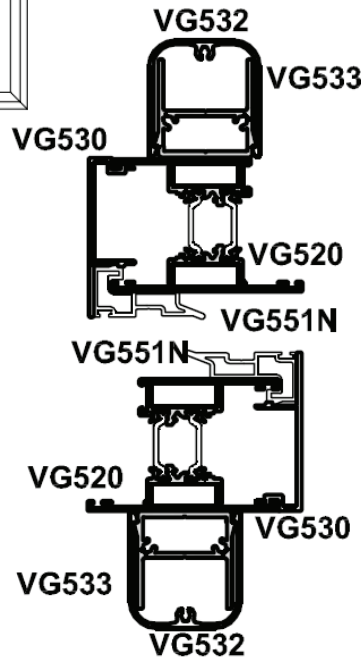
Subject to location and wind loading requirements it may be necessary to use heavier duty interlocks it is your responsibility to advise if heavier interlocks are required if in doubt seek advice from a structural engineer.

All profiles have a wind loading strength value ($I_x = \text{cm}^4$) see details below of I_x values achieved.

When heavy duty interlocks are requested, the reinforcing section is fitted to the inside and outside of the sash.



Standard interlock detail
 $I_x = 52\text{cm}^4$
117.5mm front to back

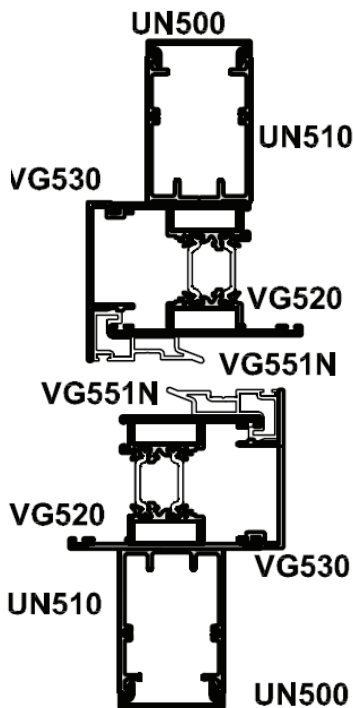


Heavy duty interlock detail
 $I_x = 124\text{cm}^4$

Note:

Subject to outerframe track detail Interlocks project may past face of frame

206.5mm front to back

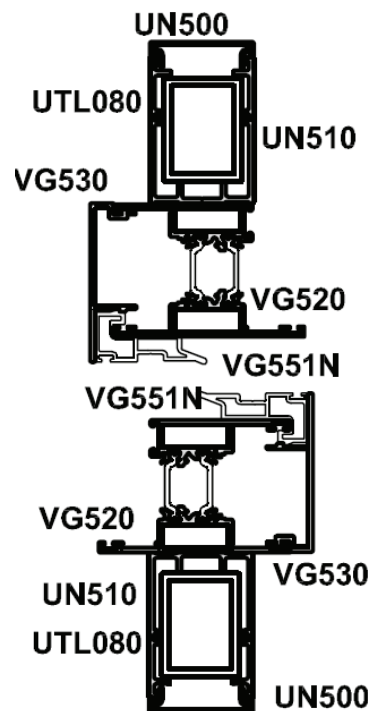


Heavier duty interlock detail
 $I_x = 171\text{cm}^4$

Note:

Subject to outerframe track detail Interlocks project may past face of frame

241.5mm front to back

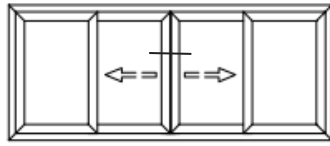


Heaviest duty interlock detail
 $I_x = 242\text{cm}^4$

Note:

Subject to outerframe track detail Interlocks project may past face of frame

241.5mm front to back



Note:

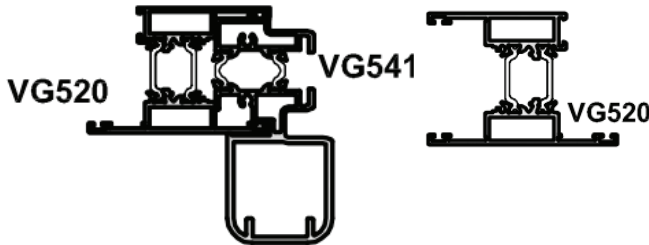
Where sashes meet as above, the reinforced section is to the outside only

Standard meeting detail
Ix = 58cm⁴



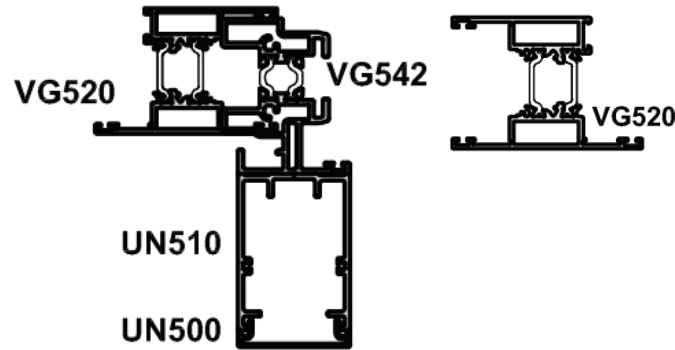
Note:
51mm front to back

Heavy duty interlock detail
Ix = 127cm⁴



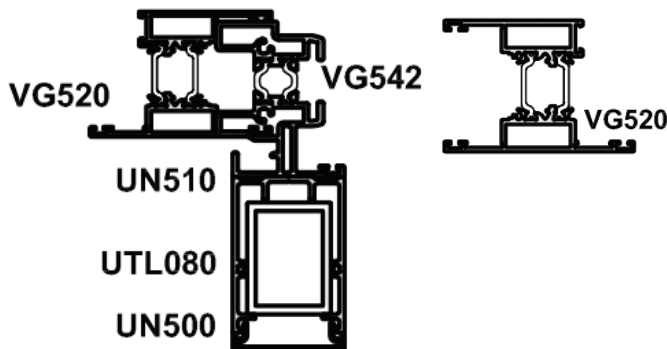
Note:
95.5 mm front to back

Heavier duty interlock detail
Ix = 142cm⁴



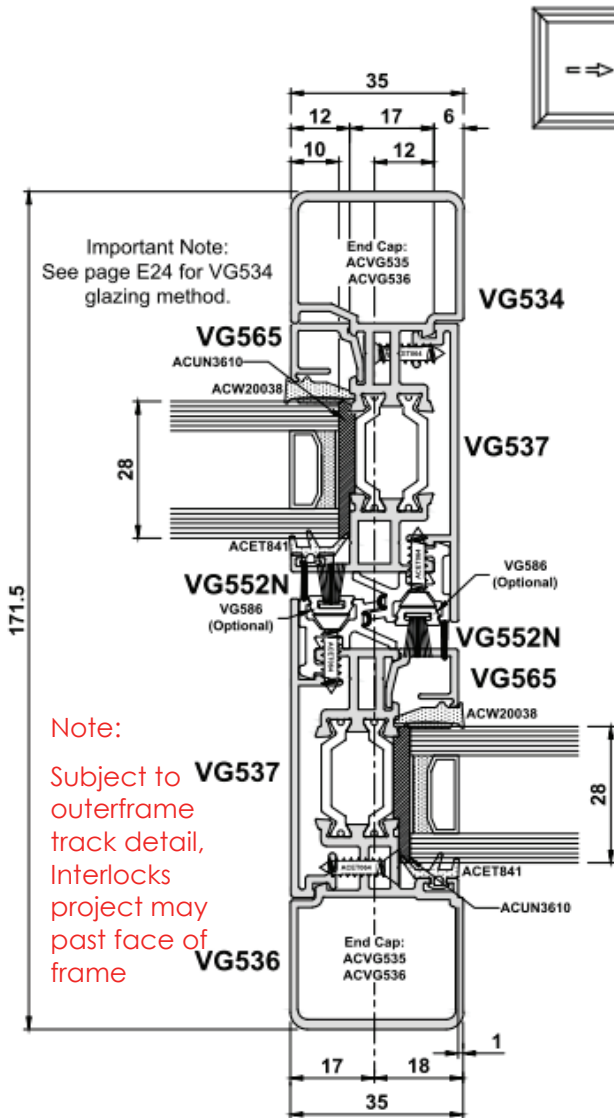
Note:
122 mm front to back

Heavier duty interlock detail
Ix = 210cm⁴



Note:
122 mm front to back

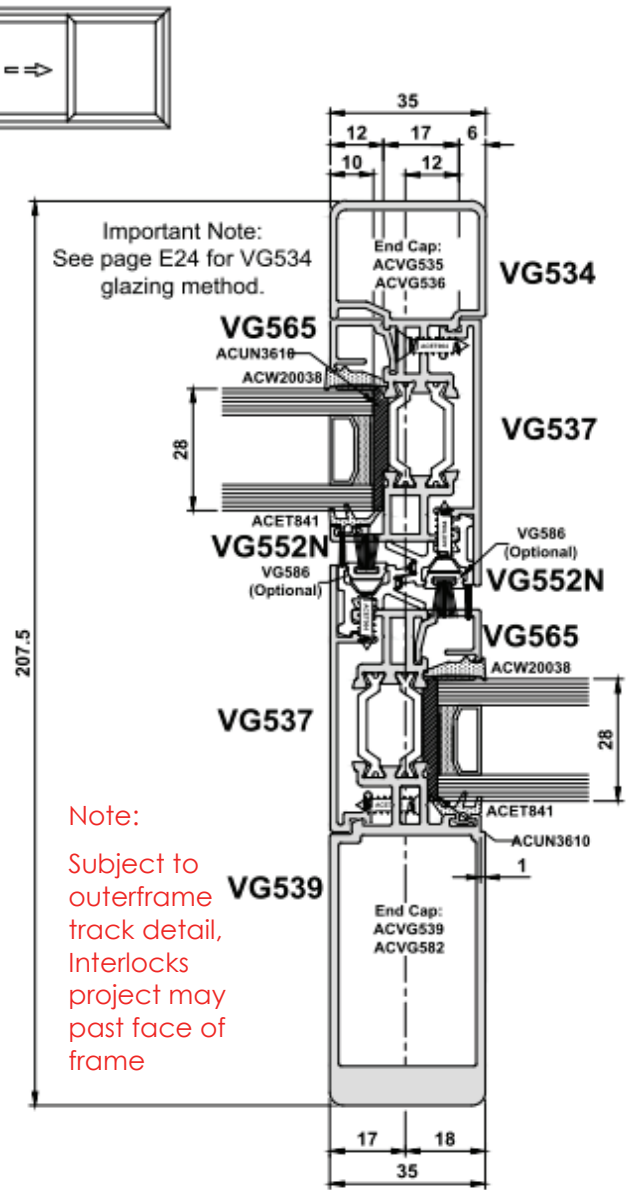
Slim Interlock



Note:
Subject to
outerframe
track detail,
Interlocks
project may
past face of
frame

Standard slim
interlock detail
Ix = 73cm⁴

Note:
171.5 mm
front to back



Note:
Subject to
outerframe
track detail,
Interlocks
project may
past face of
frame

Heavy duty slim
interlock detail
Ix = 182cm⁴

Note:
207.5 mm
front to back

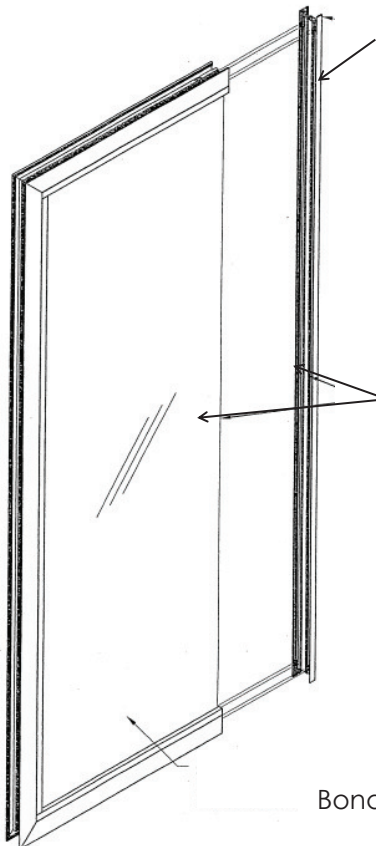
Note:

When using the slim interlocks the units must be bonded into the sash.

Units must be sealed with Butyl and without tape.

We will supply a tube of ACUN3612 Surface activator and a tube of ACUN3610 single component sealant.

Slim Interlock unit bonding



Slim Interlock

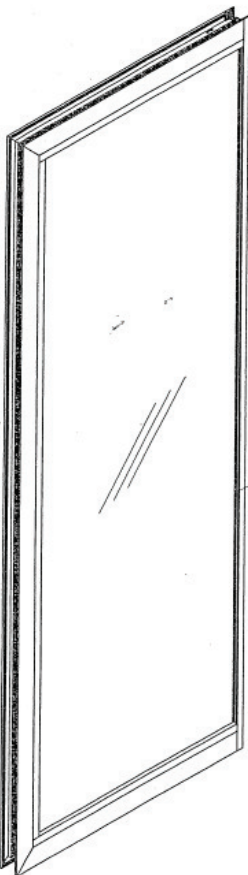
Ensure area of bonding is clean, dry and free from surface contamination.

Apply a small coating of ACUN3612 surface activator to the interlock glazing channel and the bond area of the glass only.

Allow to dry, leaving a slight residue.

Take care not to apply ACUN3612 activator to any visible surfaces

Bonding



After preparation, apply ACUN3610 single component sealant into the gap between frame and glass as in detail A

ACUN3610 must be applied to the full height of the unit.

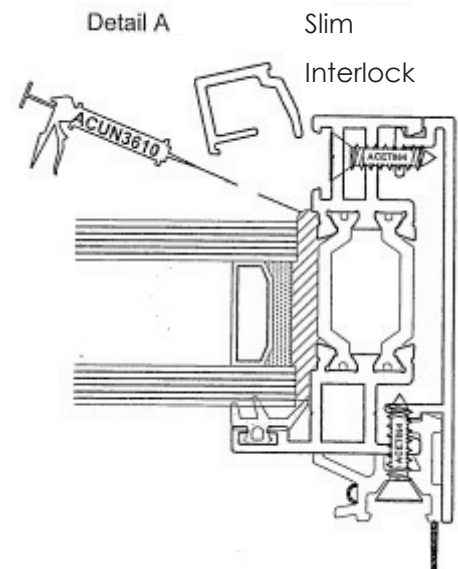
Pack glass to ensure it is positioned correctly within the sash. A sash clamp should be used to ensure the interlock is held flat while ACUN3610 sets.

Leave to set over night.

ACUN3610 is a high quality single component adhesive that provides a strong bond between the Butyl sealed unit and frame.

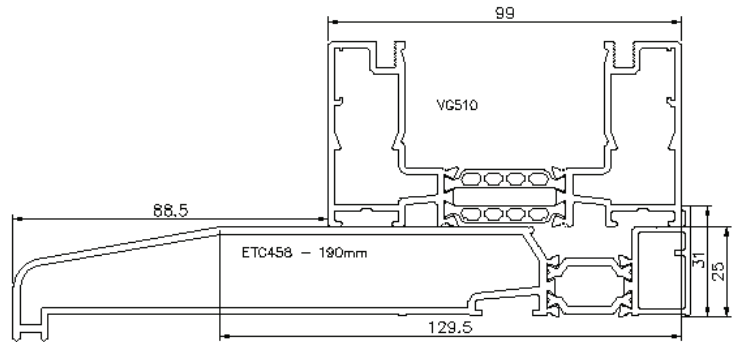
Important

We recommend glazing the sash in the workshop at least a day before installation so it can be allowed to set.

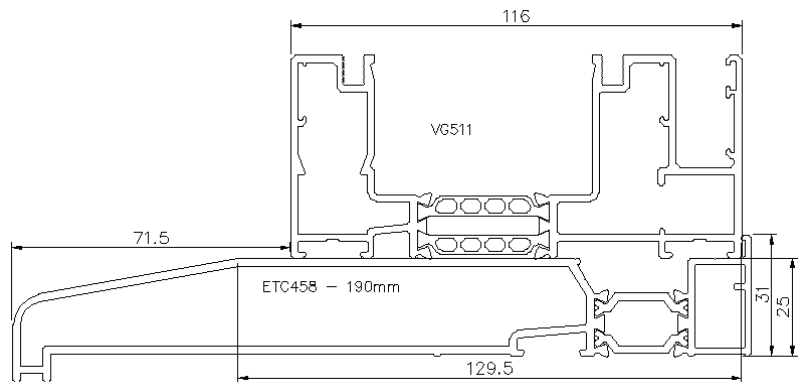


Due to the size of the patio outerframe they are restricted on which external cills can be used. The flat part of the ETC457 150mm cills is only 89.5mm

2 Track outerframe VG510 (99mm)
min cill width is 190mm ETC458

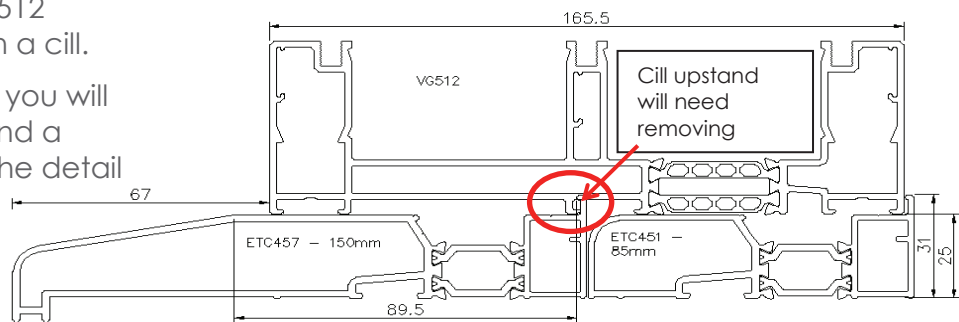


2 Track outerframe with flush up-stand VG511 (116mm) min cill width is 190mm ETC458



3 Track outerframe VG512 (165.5mm) will not fit on a cill.

If a cill is required, then you will need to pack out behind a standard cill similar to the detail shown.

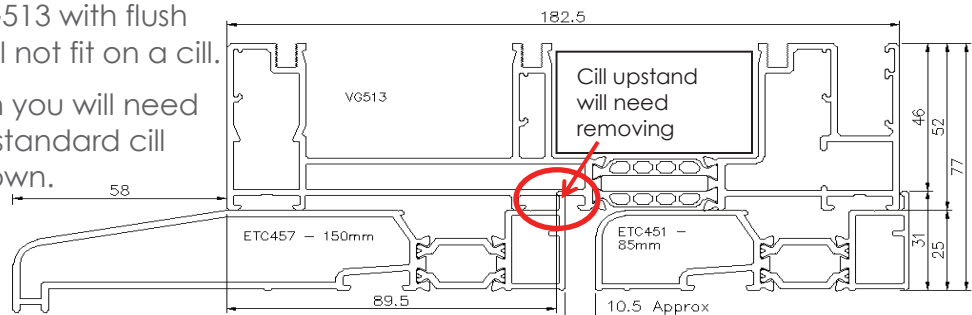


Note: It is customer's responsibility to ensure correct installation.

Detail shown is not guaranteed or endorsed by Stern Fenster or Smarts

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If a cill is required, then you will need to pack out behind a standard cill similar to the detail shown.



Note: It is customer's responsibility to ensure correct installation

Detail shown is not guaranteed or endorsed by Stern Fenster or Smarts

Patio drainage detail

To ensure water is directed to the outside of the frame the sash drainage holes will have a drainage funnel (ACVG534) screwed to the underside of the sash.

The outerframe will have an angled PVC infill & support (VG575 & ACGV575) fitted in the channel. This infill will further direct any water to the drainage slots.

