DOORS AND WINDOWS

Artisan Slider (OS-20) Specification File



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# Specification Overview

Thermally Broken Aluminium Artisan Slider

Internal view of the Origin Artisan Slider



## Profile specification

Frame Depth	2 options: 116mm (double track) and 182mm (triple track)
Sightline	20mm interlockers and 159mm central locking stiles (if used). 4mm and 77mm sightlines are also available on the Patio Slider (OS-44 and OS-77)
Track Height	44mm (double and triple track)
Maximum Individual Panel Size	2200mm wide x 3000mm tall* *individual panels cannot exceed 6sqm. The height of an height of an individual panel cannot exceed 3 times its width
Minimum Individual Panel Size	550mm wide x 1600mm tall

### Features

- Up to a 20-year guarantee including gaskets and seals\*
- Up to a 10-year guarantee on glass\*
- Ultra-slim 20mm sightlines
- Available in any RAL finish
- Concealed running gear and track
- Minimum of 6 points of locking (internal lever and cylinder only)
- Weather testing BS 6375 part 1 certified
- Can accommodate large panel sizes

## Glazing options

- Structurally bonded system (Fixed panels will require bonding on site by the installer)
- The premium low-e toughened glass used is a dependable double glazed unit. Constructed of two toughened sheets, which includes a minimum of 6mm on both the inward and outward facing panes, the glass used is highly durable as well as thermally efficient.

### Options and extras

- Up to 6 panelled configurations
  these can be all sliding or a combination of fixed and sliding
- All RAL colours available
- Lever options: 7015M, 7016M, 9005M and 9910G
- Drip bar available
- > 180mm and 225mm cill options available
  - 35mm Frame Extender
- Trickle vents (available through the 35mm frame extender)

\*Guarantee based on location of where the doors will be installed.

Full terms and conditions can be found on the Origin website - origin-global.com/terms-and-conditions.

# The Origin Artisan Slider is available in over 150 colours...



Anthracite Grey (7016M)	Jet Black (9005M)	Black Grey (7021M)
RAL 4010	RAL 6019	RAL 2004
RAL 5013	RAL 7001	RAL 1003
RAL 6027	RAL 6021	RAL 5023

Covering everything from the favourite metallic shades through to the more extensive palettes, we've got a colour available that's guaranteed to suit any home or building style.

For the full range, visit origin-global.com

Dual colour and woodgrain options are not available.

### Drainage cap colours

Popular Colour	Drainage Cap Colour	Code
7021M (Black Grey)	Dark Grey	C01350
7015M (Slate Grey)	Dark Grey	C01350
7016M (Anthracite Grey)	Dark Grey	C01350
9005M (Jet Black)	Black	C01163
9006M (Light Silver Metallic)	Cement Grey	C01352
9007M (Dark Silver Metallic)	No. 38 Grey	C01349
9910G (Hipca White)	White	C01353

## Security Origin's Multi-Point Lock

Each door is equipped with an ultra-secure multi-point locking system, which features a minimum of six points of locking. Depending on the size of the door, this may increase.



## Cylinder

TS0071 star cylinder Internal cylinder only



# Optional Extras

### Handles

Every Artisan Slider is fitted with a flush-faced lever handle, which offers a look as sleek as the doors themselves.

It's available in four attractive colours: 7015M, 7016M, 9016M and 9005M.



### Cills

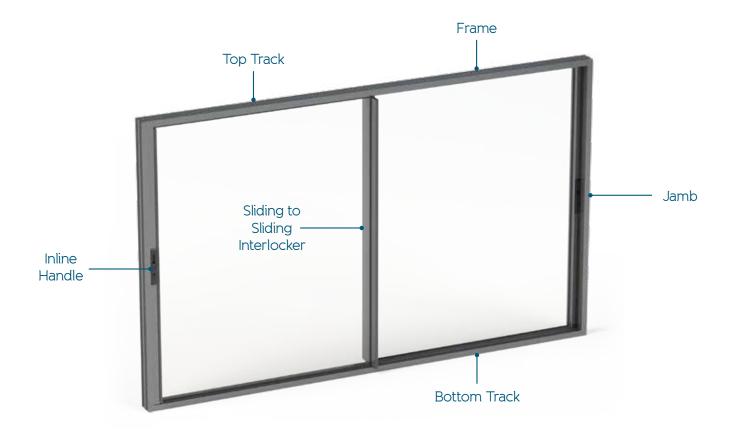
Choose from our 2 cill options. These can also be powder-coated to match the doors.



### Drip Bar

A drip bar option is available. It is situated towards the bottom of the door to deflect rainwater and prevent large pools of water from gathering.

# Artisan Slider Make-Up



Make-up is dependent on the configuration chosen.

# Performance and Limitations

## Thermal Ratings

u-Value

1.4W/m²K

## Weather Rating

Air Permeability	Class 4
Resistance to Wind Load	Class A3
Water Tightness	Class 7A
Exposure Category	1200

### Performance Testing

BS 6375 Parts 1, 2 and 3 Certified

### Size Limitations

	Width	Height
Maximum individ	ual panel	size:
	2200mm	3000mm*
Minimum individu	ual panel :	size:
	550mm	1600mm
*individual panels cannot exceed 6sqm.		

The height of an individual panel cannot exceed 3 times its width

### Building Regulation Requirements

New Build	
and Extensions	2.0 W/ (m2K)
Replacements	1.8 W/ (m2K)
Energy Rating	E or better
All doors must conform these requirements	ı to

## Glazing Specifications

Standard Glass	6 or 8mm Toughened / Warm edge / Low E Toughened
Laminate 6.8 and 8.8 Glass	6.8 or 8.8mm Laminated / Warm edge / Low E Toughened
Solar Reflective	Sunguard SN 70/37

# Declaration of Performance



Origin Frames Ltd, Stuart House, Castle Estate, Coronation Road Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TA, United Kingdom

#### This document declares that the product:

Origin OS-20 Artisan Sliding Door External pedestrian door set intended to be used in domestic and commercial buildings conforms to the product requirements of BS EN 14351-1:2006+A2:2016 Annex ZA

Essential Characteristics	Performance	Test Standards
Resistance to wind load	Class C5	BS EN 12211
Air permeability	Class 4	BS EN 1026
Water tightness	Class 7A	BS EN 1027
Impact resistance	Npd	BS EN 13049
Thermal transmittance	See File	EN ISO 10077-1 & EN ISO 10077-2 (or EN ISO 12567-1 and prEN 12567-2)
Dangerous substances	See File	BS EN 14351-1: 2006+A1:2010
Load-bearing capacity of safety devices	N/A	BS EN 948
Acoustic performance	Npd	BS EN ISO 140-3
Radiation properties	Npd	EN 410
Ability to release	Npd	BS EN 179 and BS EN 1125

This declaration of performance is issued under the sole responsibility of Origin Frames Ltd.

Signed on behalf of Origin Frames Ltd:

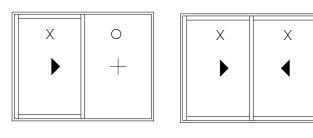
.Ginger

David Ginger – Product Compliance Director Date: 01/07/2019 Origin DOORS AND WINDOWS OFDL\_18.120.1

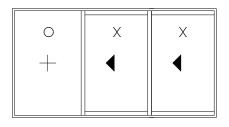
OS-20

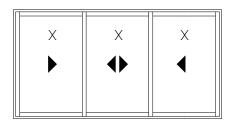
# Master Configurations

XO (1 sliding, 1 fixed) or XX (2 sliding)

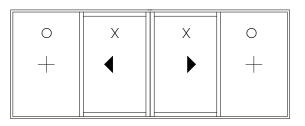


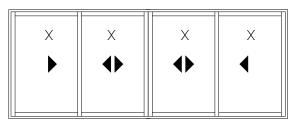
#### OXX (1 fixed, 2 sliding) or XXX (3 sliding)



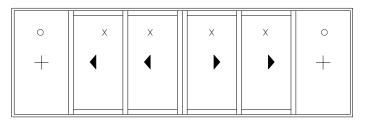


OXXO (1 fixed, 2 sliding, 1 fixed) or XXXX (4 sliding)





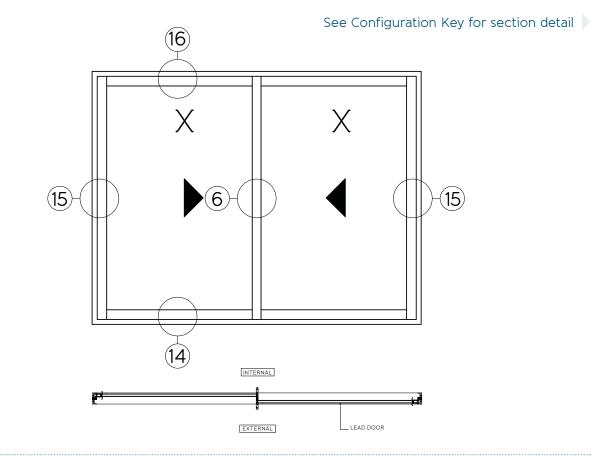
#### OXXXXO (1 fixed, 4 sliding, 1 fixed) or XXXXXX (6 sliding)



×	×	×	×	×	×

#### KEY

- O Indicates Fixed sash
- X Indicates Opening sash
- ♦ Indicates opening direction





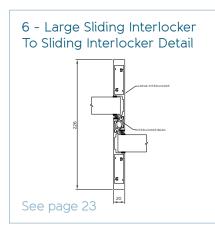


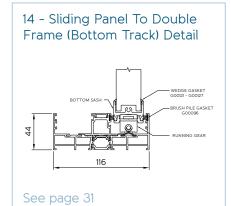
Both panels can be sliding, or one can be fixed with one sliding

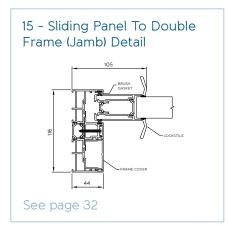
Traditional patio door style

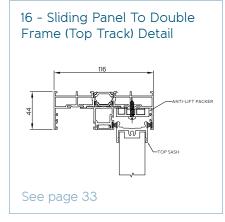
See page 12 for configurations

Configuration Key

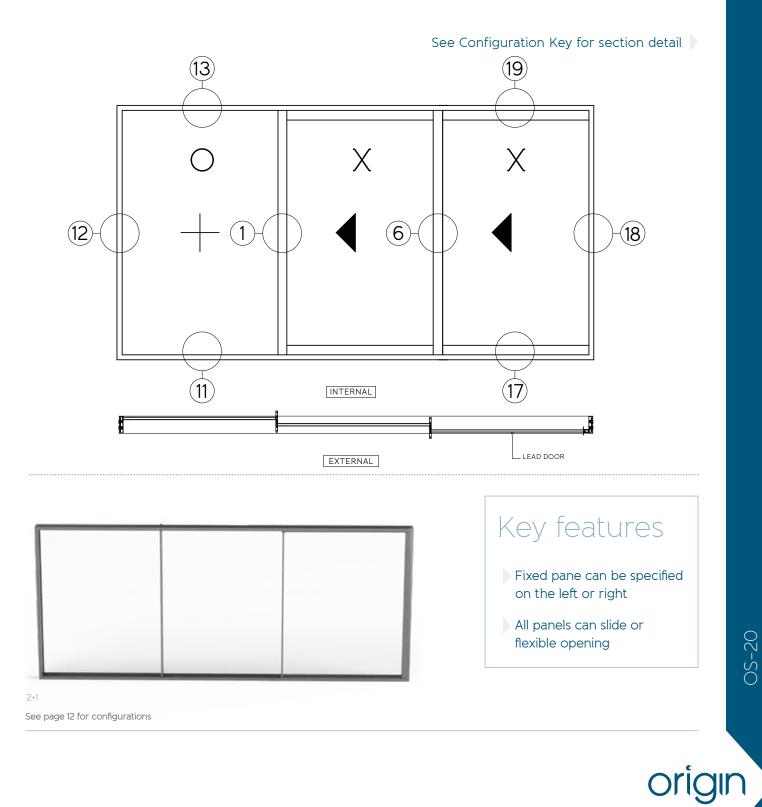




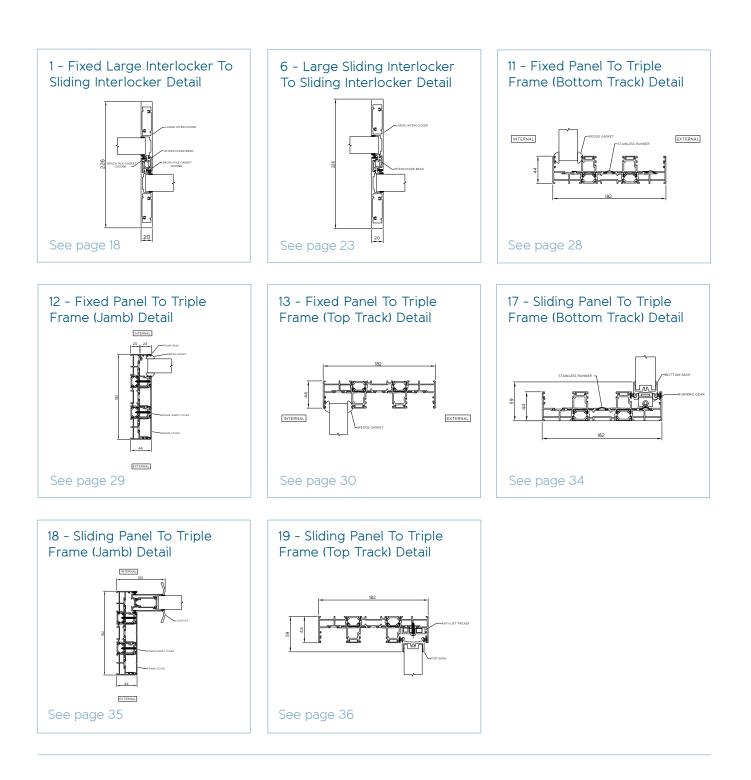




Master Configuration: OXX



#### Configuration Key



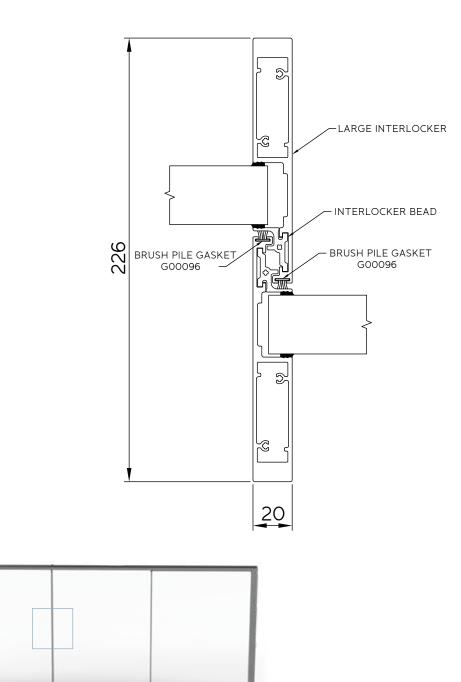
# Technical Drawings

### Interlocker Options

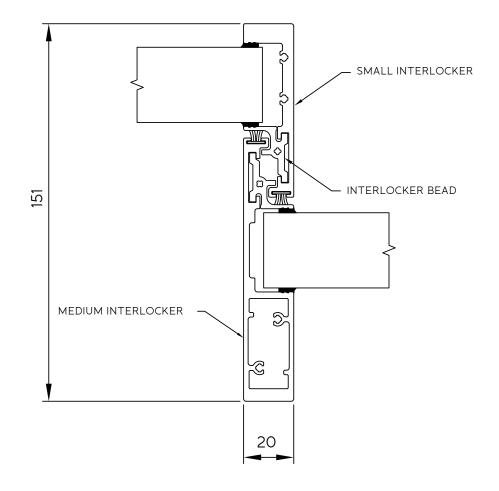


For doors between 2326m and 2625mm high For doors between 2626mm and 3000mm high

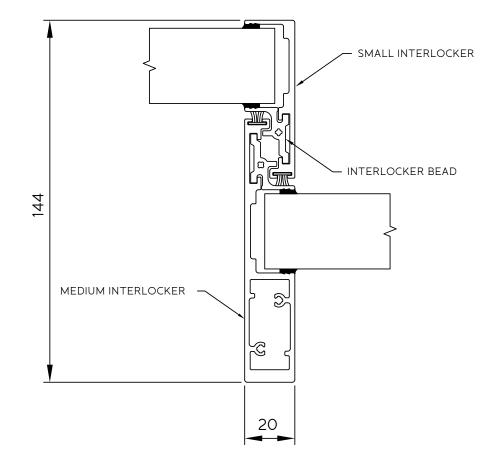




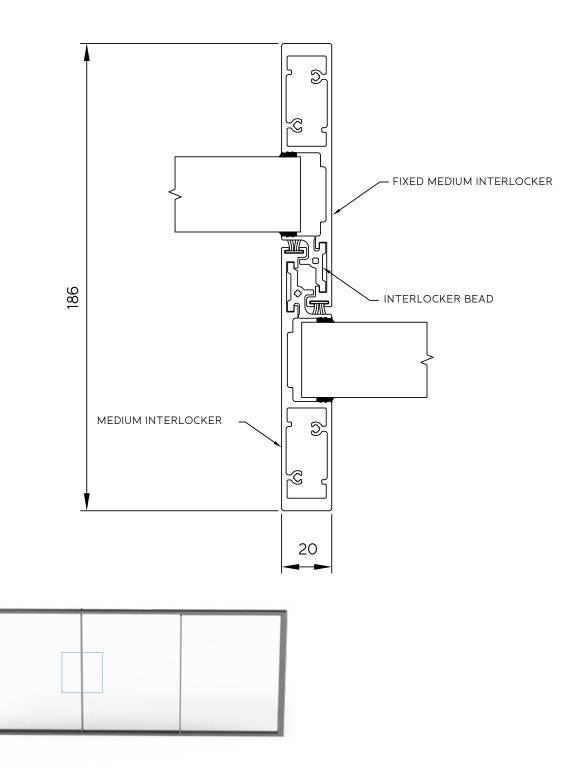
### 2 Small Fixed Interlocker To Sliding Medium Interlocker



3 Small Interlocker To Sliding Medium Interlocker

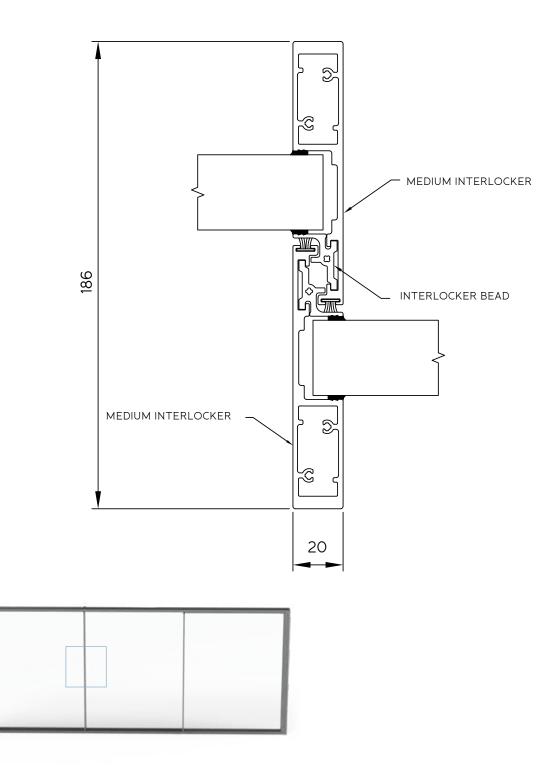


### 4 Fixed Medium Interlocker To Sliding Medium Interlocker

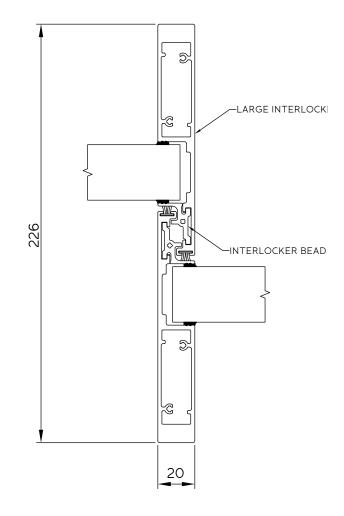


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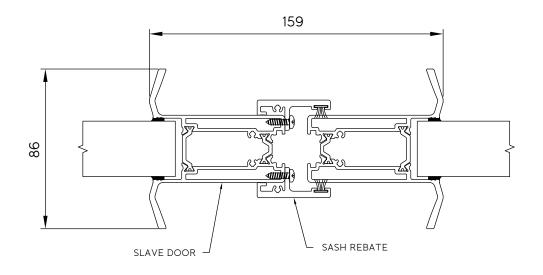


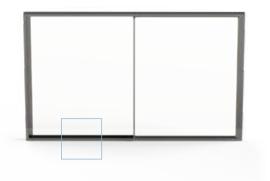


### 6 Sliding Large Interlocker to Sliding Large Interlocker Detail

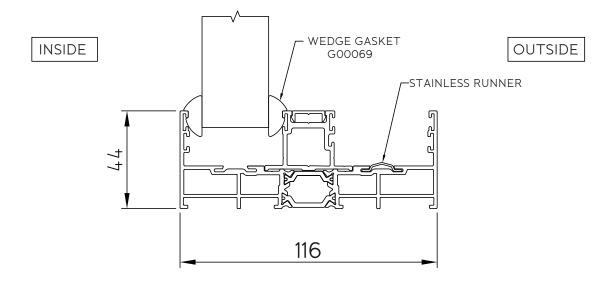






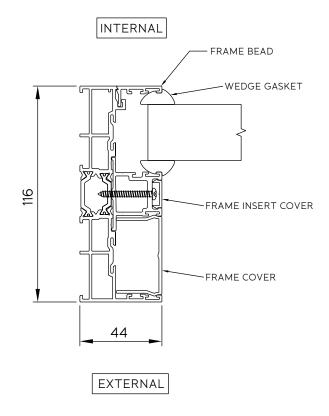






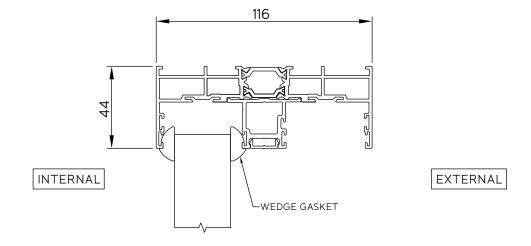


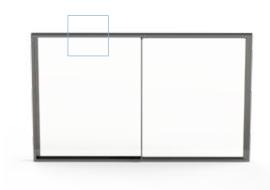
#### 9 Fixed Panel To Double Frame (Jamb) Detail



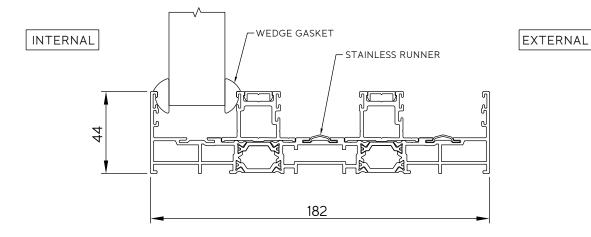


### 10 Fixed Panel To Double Frame (Top Track) Detail

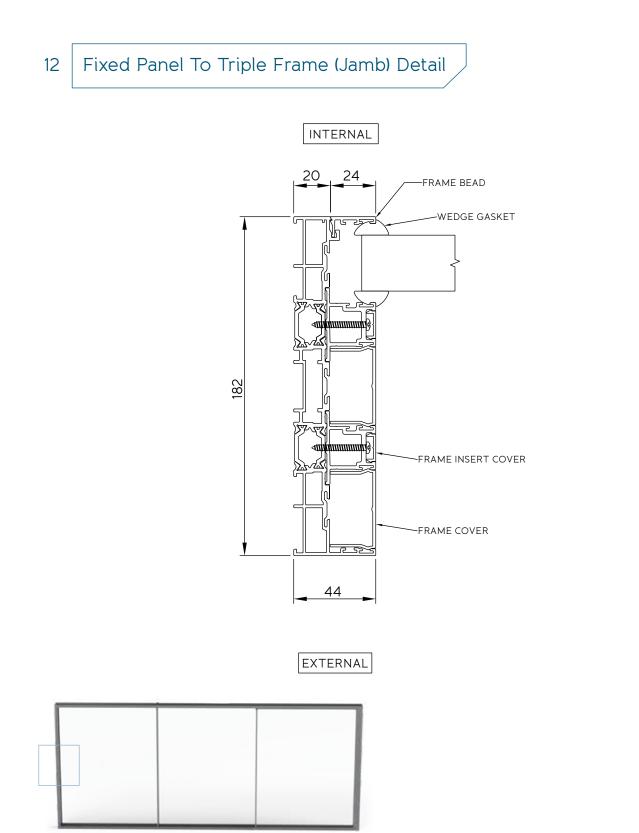






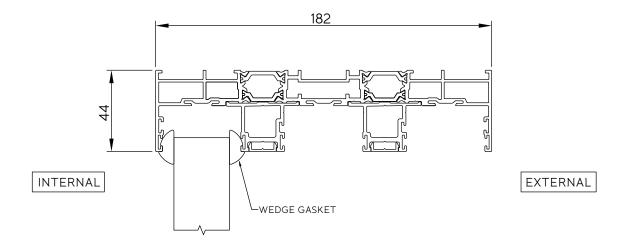


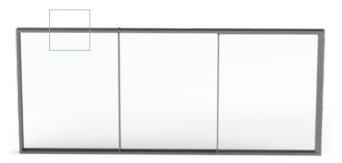




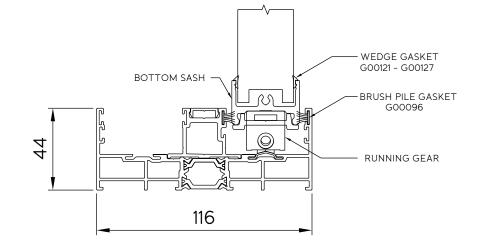
OS-20





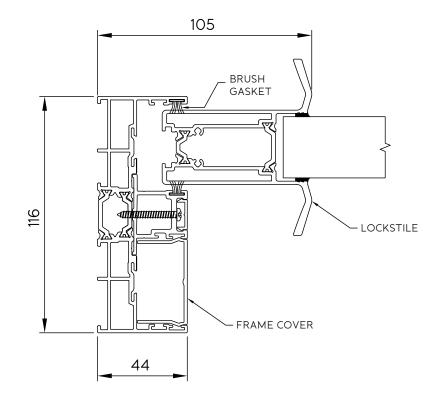


#### 14 | Sliding Panel To Double Frame (Bottom Track) Detail

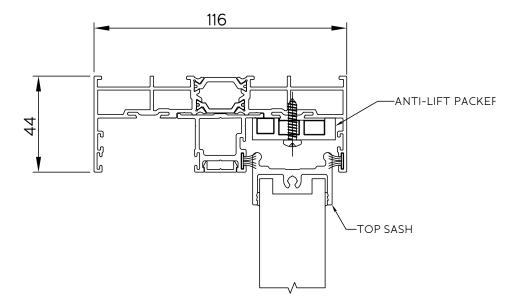


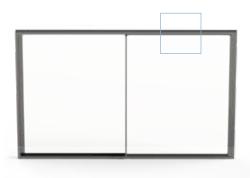


#### 15 Sliding Panel To Double Frame (Jamb) Detail

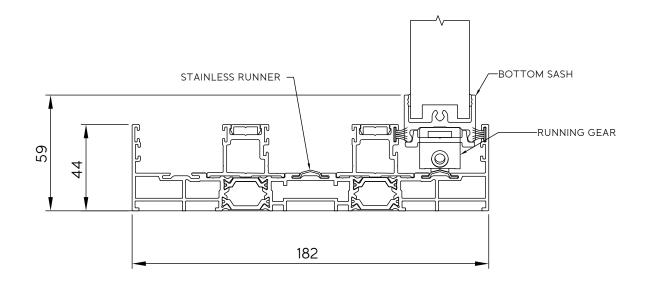




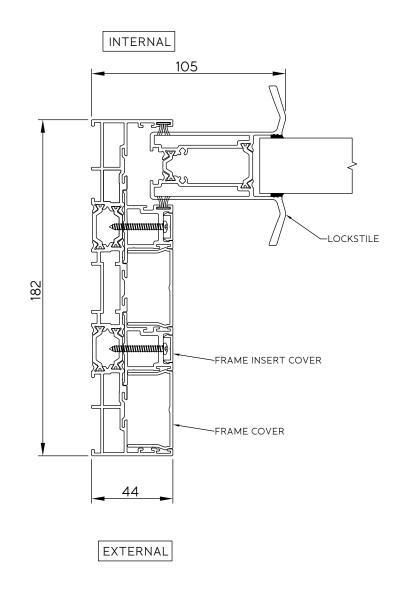




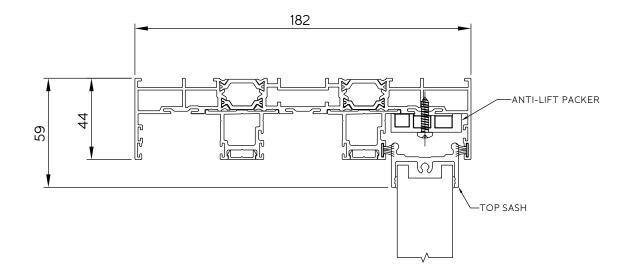






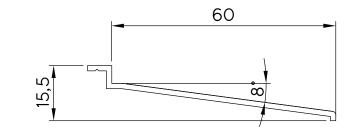


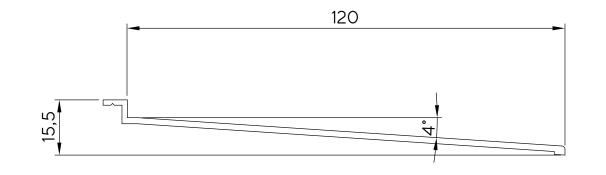


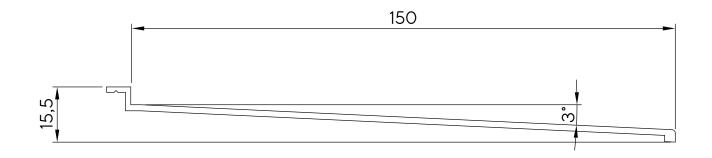








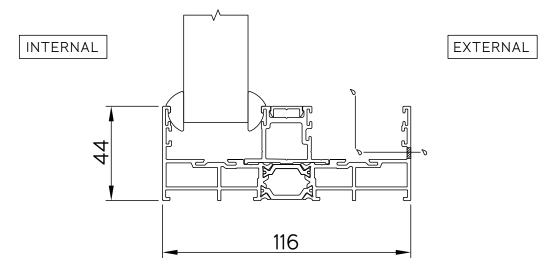




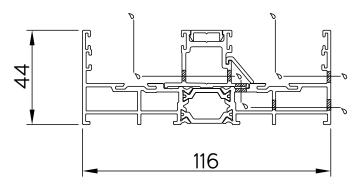
OS-20

21 Drainage Details Double Frame

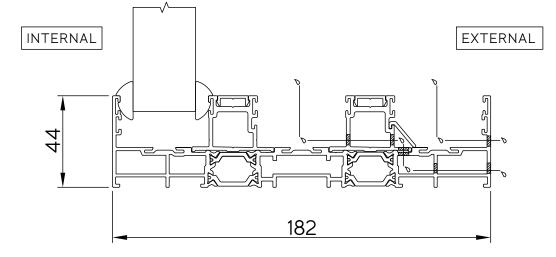
Frame Drainage with Fixed Panel



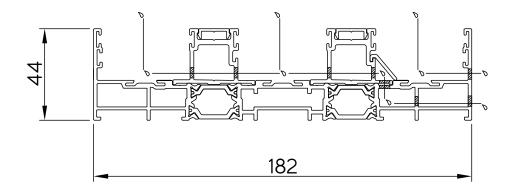
Frame Drainage



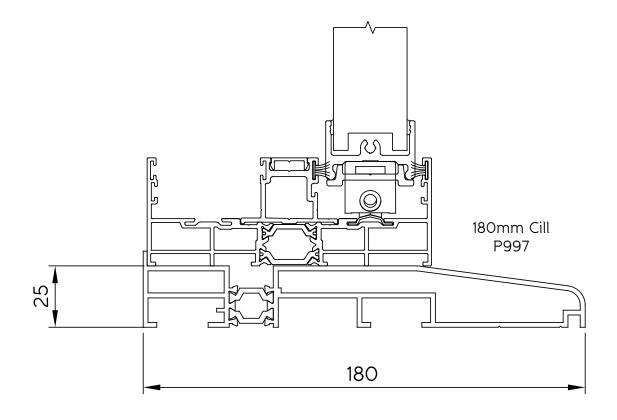


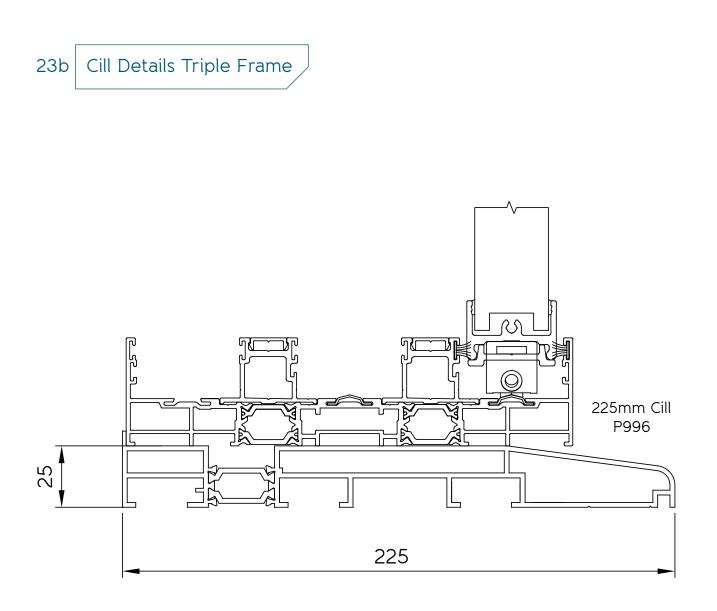


#### Frame Drainage



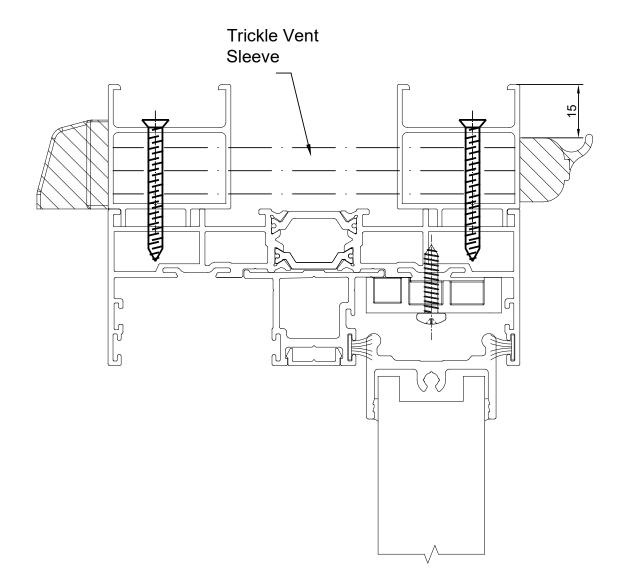




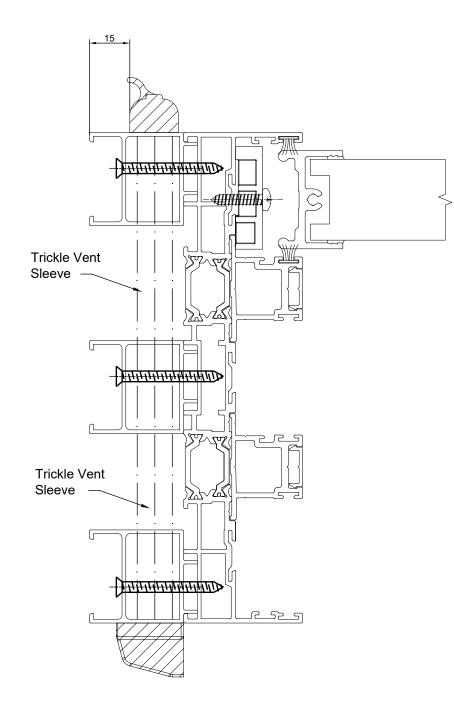




24a Frame Extender (Double Frame)



#### 24b Frame Extender (Triple Frame)

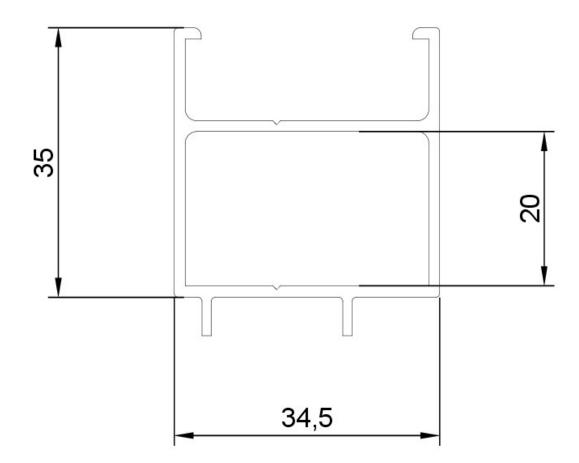


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A 35mm frame extender is available which allows for plaster lines on ceilings and also more room which also allow trickle vents to be fitted.

Please not an overall 15mm will need to be deducted from your measurements.





Fixed Panel Wedge Gasket -

#### G00069

Sash Wedge Gasket

W401-3 - G00125

Sash Wedge Gasket

W401-4 - G00126







#### Sash Wedge Gasket

W401-5 - G00127

Sash Wedge Gasket W401-6 - G00121 Woolpile 7x7mm G00096



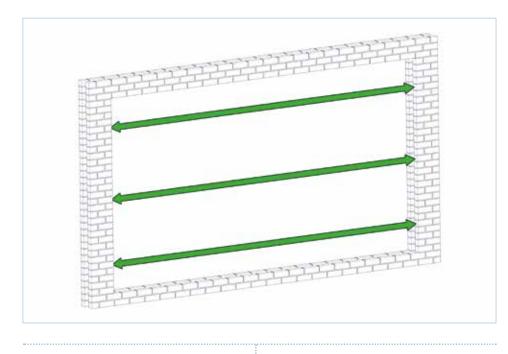




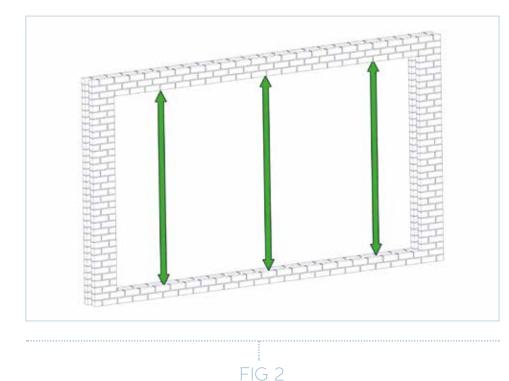


# Installation Guide

#### 1. Prepare the opening

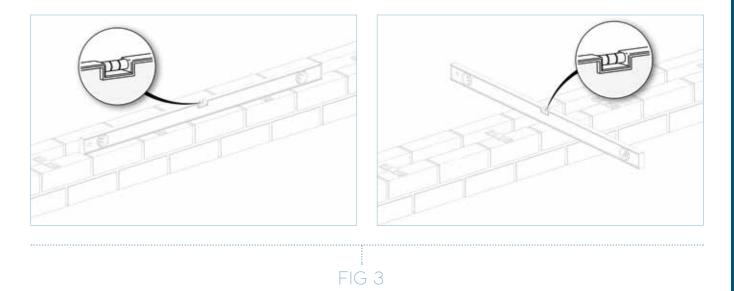


: FIG 1

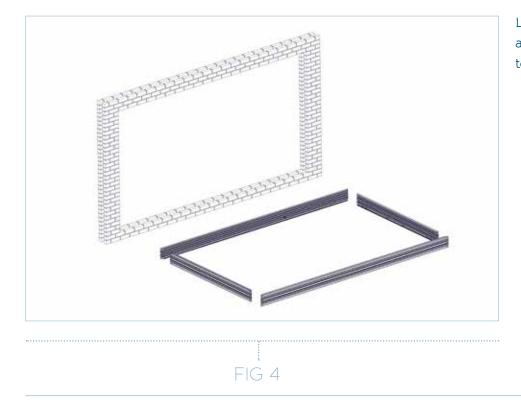


Measure aperture height.

Measure aperture width.



Level the threshold in both directions, packing every 500mm apart for the length of the opening.



Lay frame profiles in front of aperture, being careful not to scratch the powder coat.



# 2. If applicable, join the top/ bottom frame profiles together

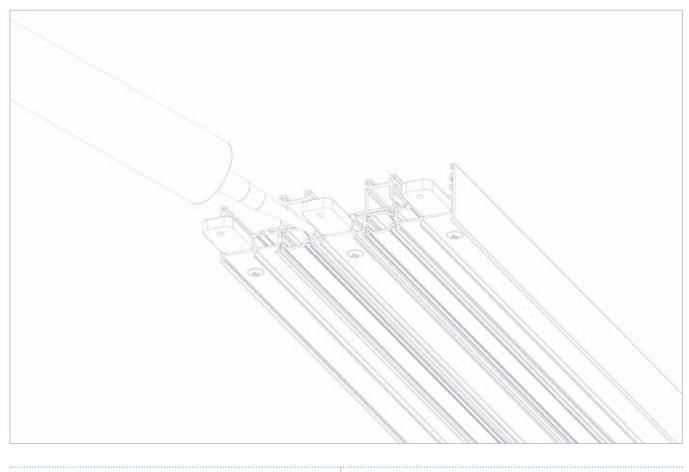
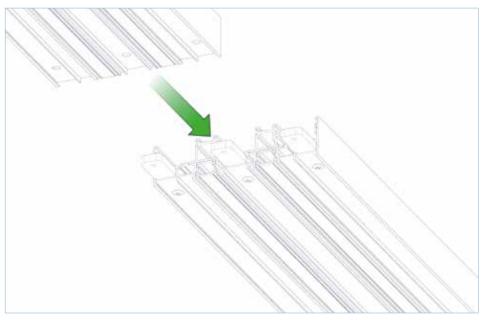


FIG 5

Apply suitable sealant on ends of profile and around the pre-inserted frame connectors.



Connect the frame profiles together.





Fix the frame profiles together and repeat for remaining frame pieces.

### 3. Connect the jambs and bottom track

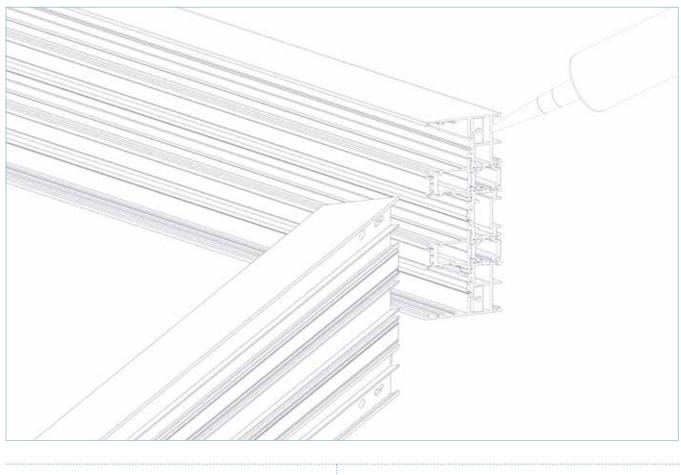
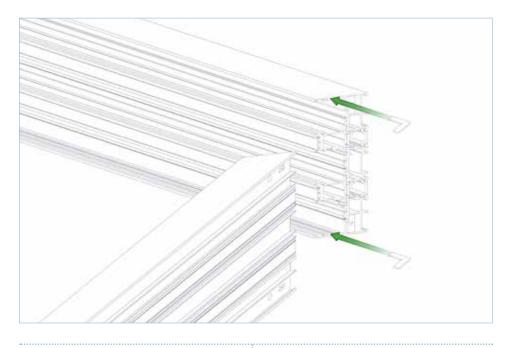


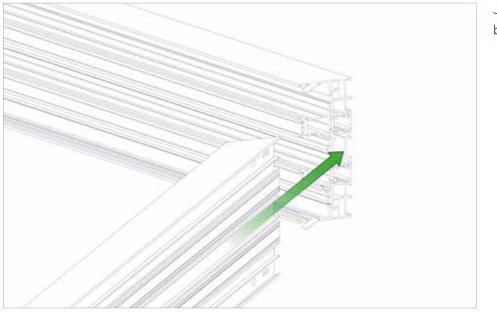
FIG 8

Apply suitable sealant to profile ends.



Insert alignment cleats to the frame. If set includes a fixed panel, one alignment cleat is required per corner and should be fitted in 25mm rebate.







Join jamb to bottom track.



Tighten the cleat join with a 4mm Allen Key and screws provided.

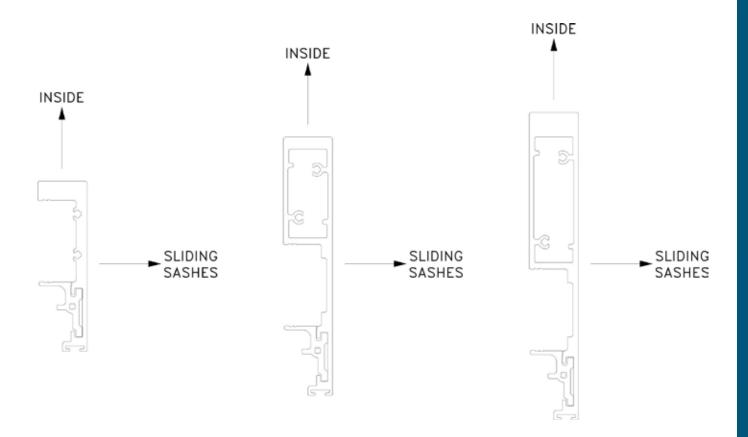




FIG 12

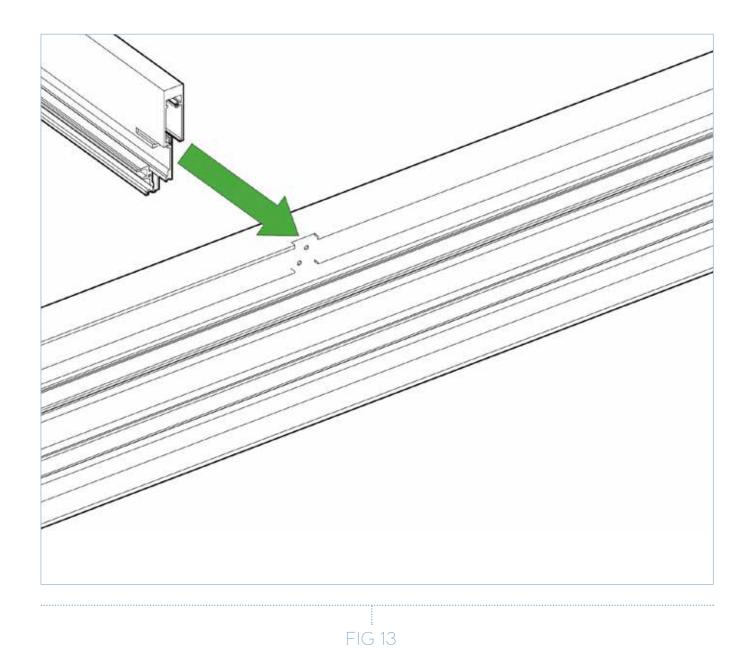
Check join, remove excess sealant and repeat process for second jamb.

# 4. If applicable, connect the fixed interlocker (only applicable for sets with fixed panels)



Note: Flush fixed interlockers do not require end plates.





Align fixed interlocker to notch on bottom track. Ensure profile position is as per sections above.

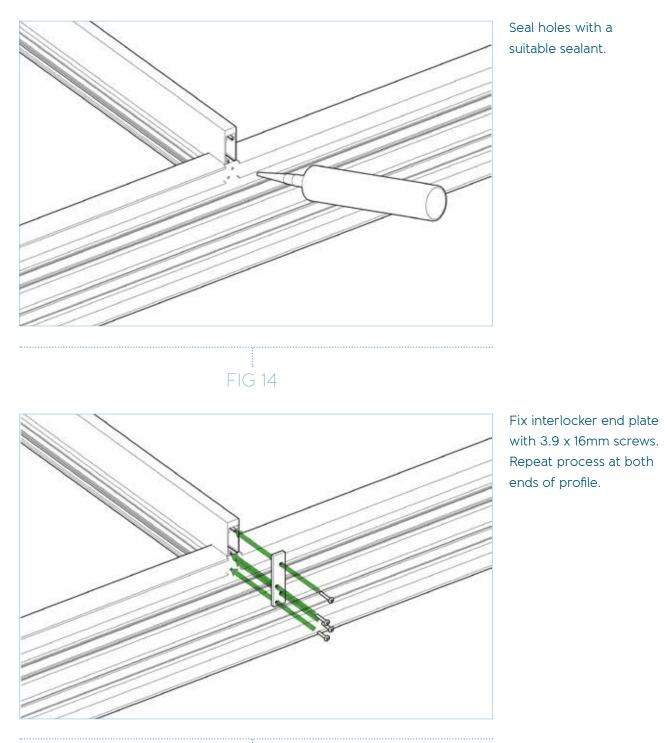
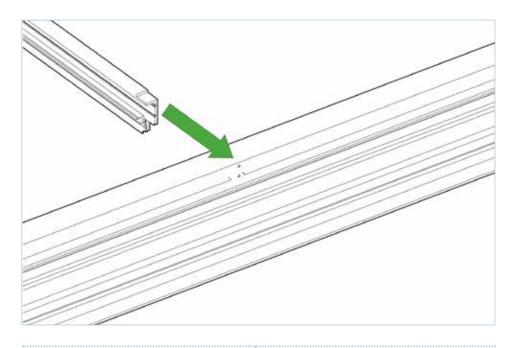


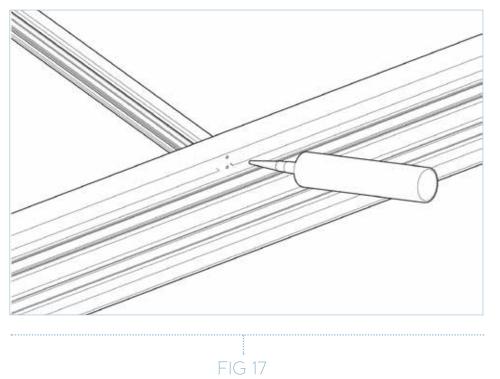
FIG 15

OS-20

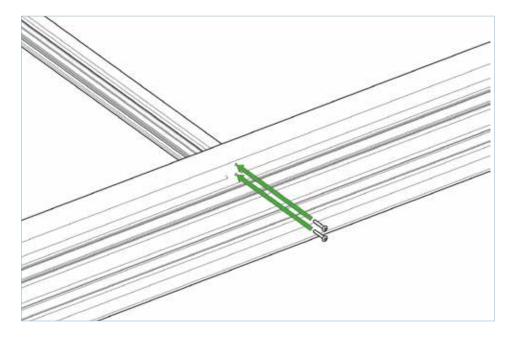


Align flush fixed interlocker to notch on bottom track. Ensure profile position is as per sections above.





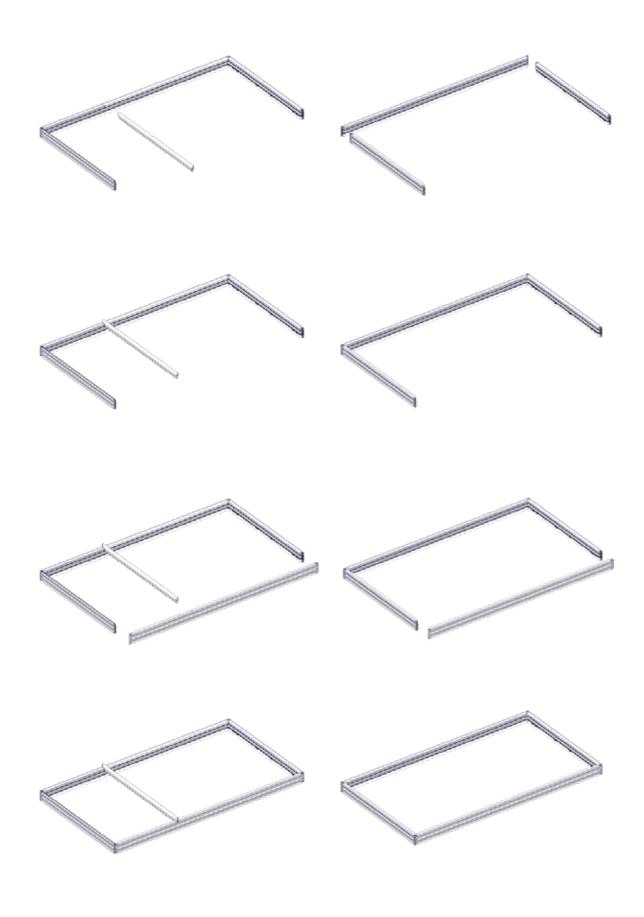
Seal holes with a suitable sealant.



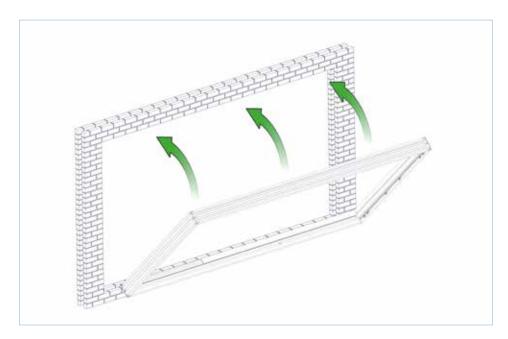
Fix interlocker in place with 3.9 x 16mm screws. Repeat process at both ends of profile.







### 5. Lift the frame into the aperture



Lift frame into the aperture, ensuring drainage caps are situated externally.



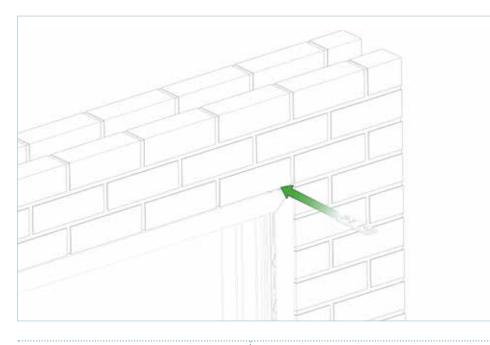
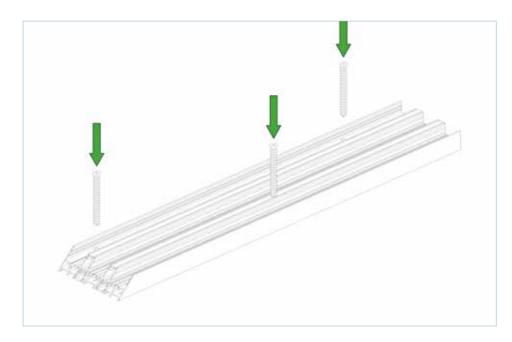


FIG 21

Insert packers above both jambs.

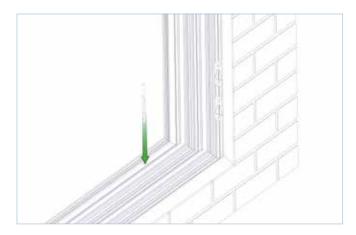


#### 6. Fix the bottom track



Where possible, fixing points should be on both sides of the frame, in a zig-zag pattern.







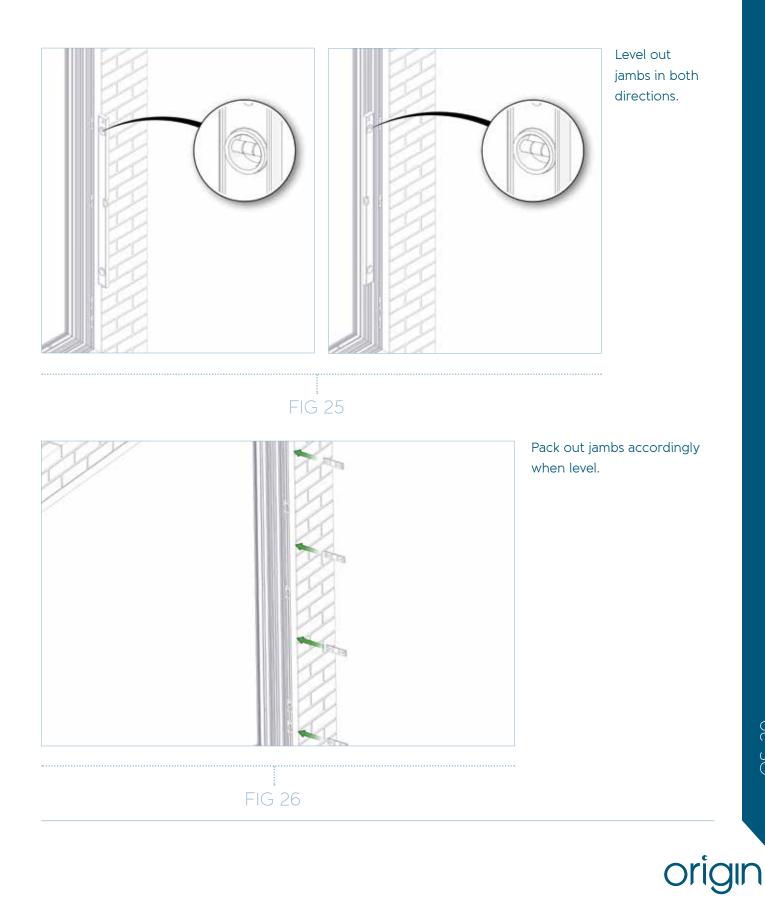
#### FIG 23

Use an HSS bit to drill and countersink an appropriate sized fixing hole through the frame. This should be no more than 150mm from the external corner of the frame.

#### FIG 24

Insert suitable sealant to fixing hole, then screw preferred fixing in place. Repeat process along the bottom track, ensuring fixings are within 900mm intervals.

### 7. Level and fix both jambs





Use an HSS bit to drill and countersink an appropriate sized fixing hole through the frame. This should be no more than 150mm from the external corner of the frame.



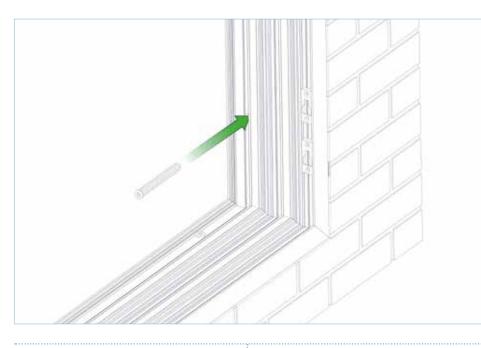


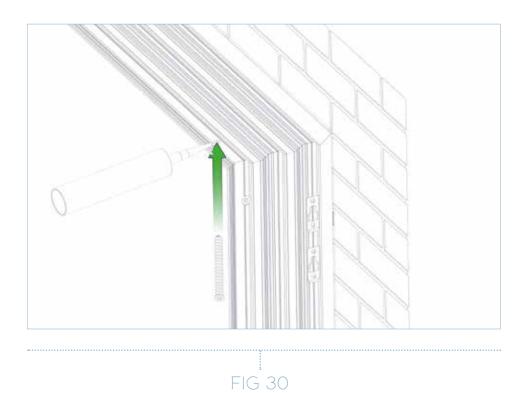
FIG 28

Screw preferred fixing in place. Repeat process along the jambs, ensuring fixings are within 600mm intervals.

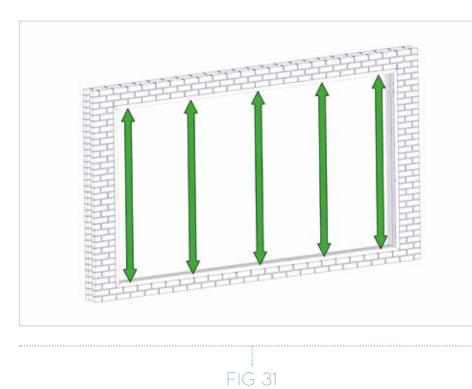
### 8. Fix the top track



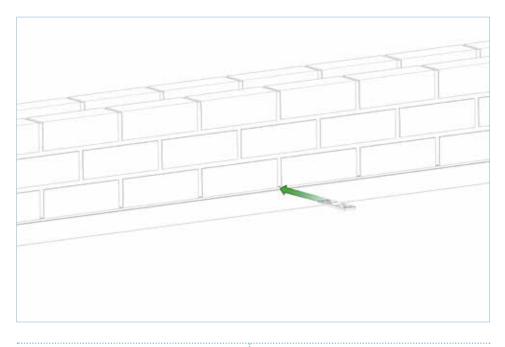
Use an HSS bit to drill and countersink an appropriate sized fixing hole through the frame. This should be no more than 150mm from the external corner of the frame.



Insert suitable sealant to fixing hole, then screw preferred fixing in place. This must be done at both ends of the top track.



Accurately measure the internal frame dimensions.



Pack out across the top track for consistent internal frame sizes. Ensure the track doesn't bow in any direction.



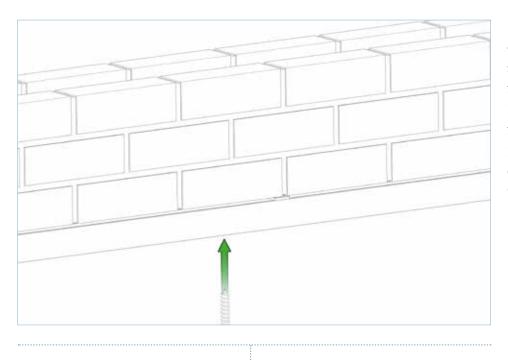
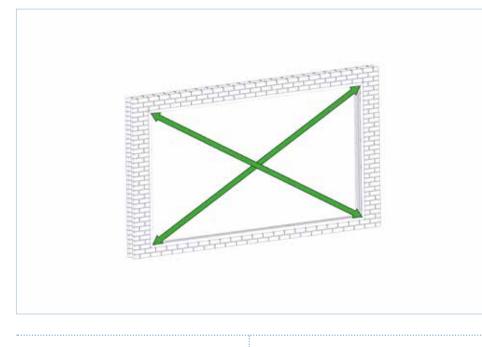


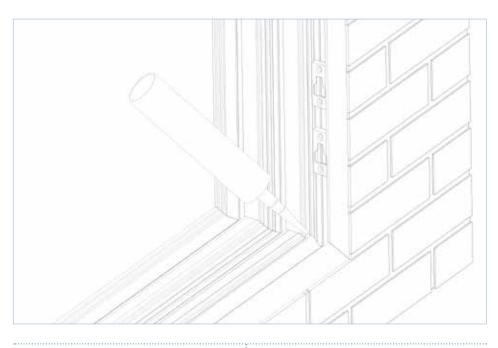
FIG 33

Use an HSS bit to drill and countersink an appropriate sized fixing hole through the frame. Insert sealant to fixing hole, then screw preferred fixing in place. Repeat process along the top track, ensuring fixings are within 900mm intervals.



Measure diagonally from corner to corner to check the frame is square.

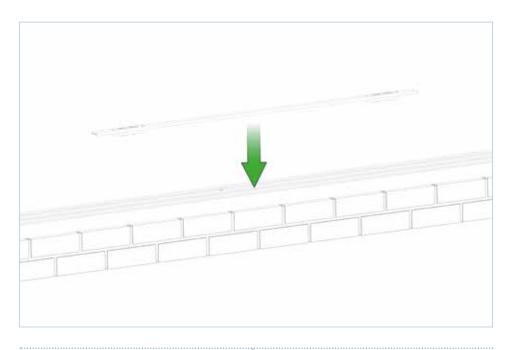




Seal the drainage isolator in place, ensuring ends of profile are sealed with edge of frame.

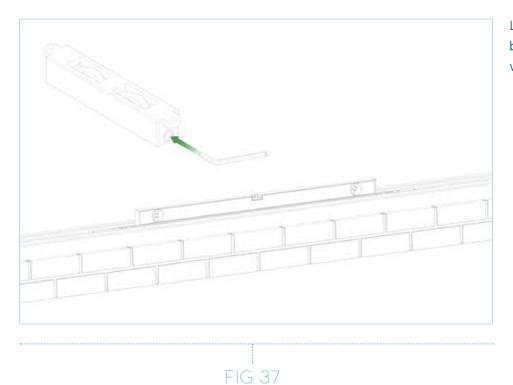
#### 9. Install the sash

Install sashes, working from inside to outside.



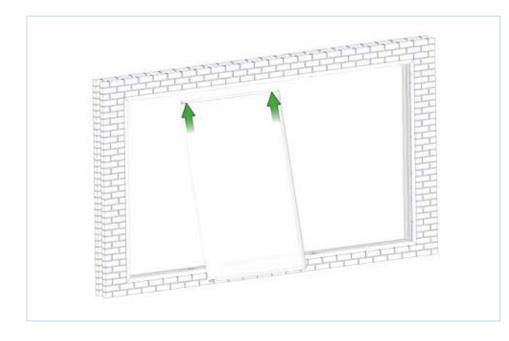
Insert all running gear profiles into necessary track channels.





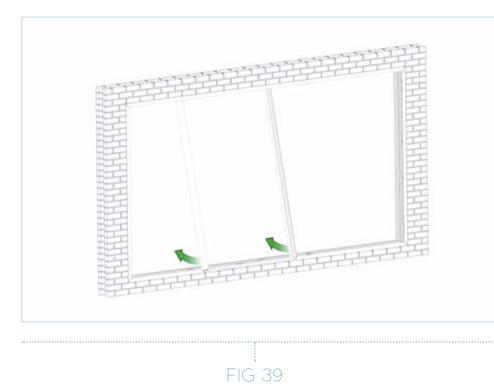
Level the running gear profiles by adjusting the roller height with a 3mm Allen Key.



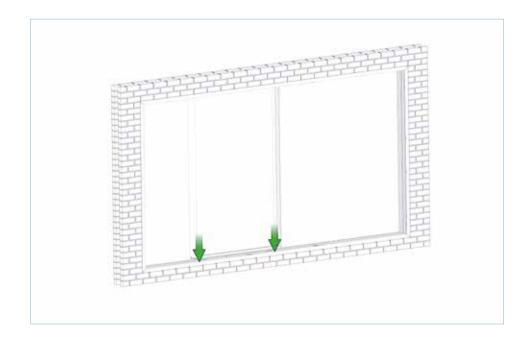


Insert top of sash into top track channel.





Swing bottom of sash above running gear.



Drop sash on to running gear, ensuring the running gear sits within the bottom of the sash.



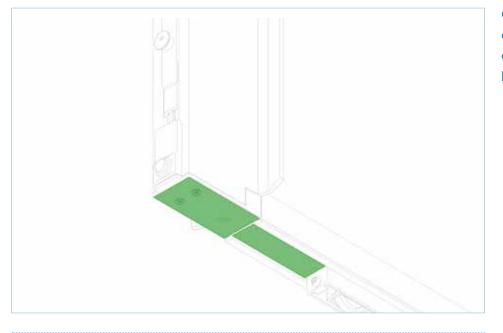
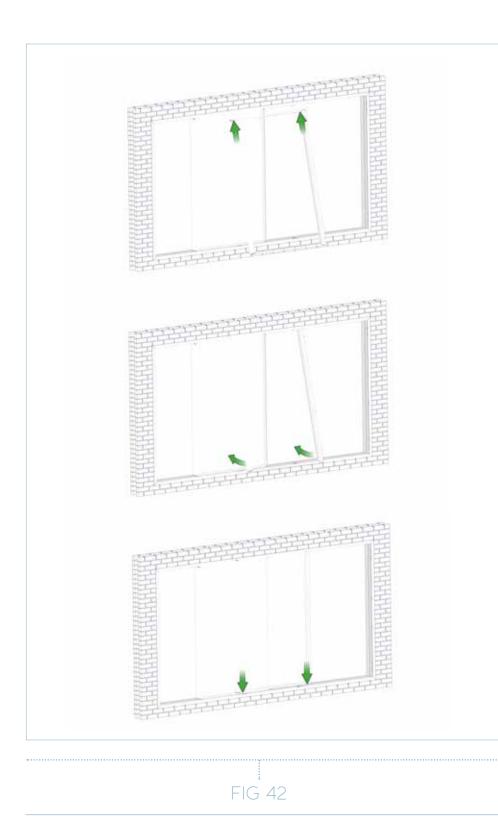


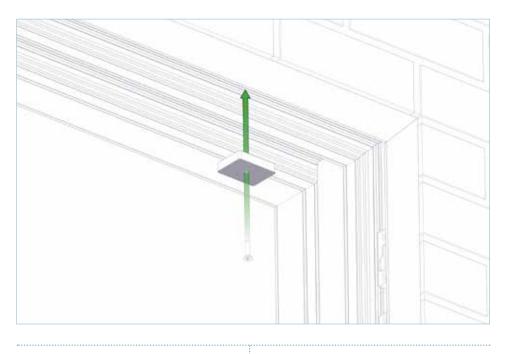
FIG 41

Check to ensure bottom of sash and running gear components are flush at both ends.





If applicable, repeat process for remaining sashes.



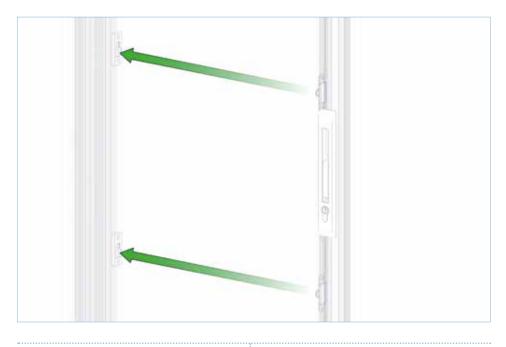
Fix anti-lift blocks above each sash corner when the sash is in the closed position. Fix using 3.9 x 25mm screws and position no more than 60mm from the external corner of the sash.





FIG 44

Level the lockstile to ensure the sash is parallel to the frame. Repeat for all opening sashes to ensure the interlockers line up correctly.



Align centre keeps with corresponding locking points (situated directly above and below handle).



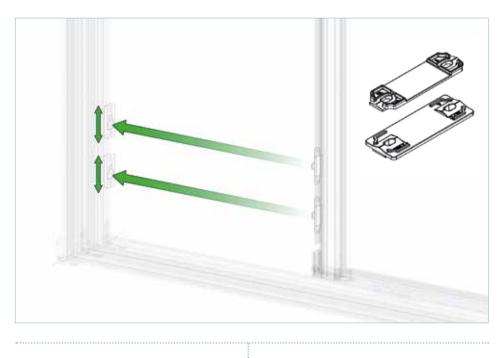
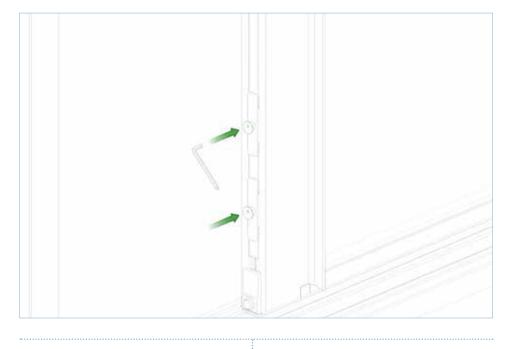


FIG 46

Working from bottom to top, adjust keep positions if necessary. Keeps can be packed out using the 0.5mm and 2mm packers supplied. Adjust keeps until the handle engages correctly, and the key in the lock cylinder turns smoothly.



If more adjustment is required, use a 3mm Allen Key to adjust the locking point.

FIG 47



### 10. If applicable, install the fixed panel

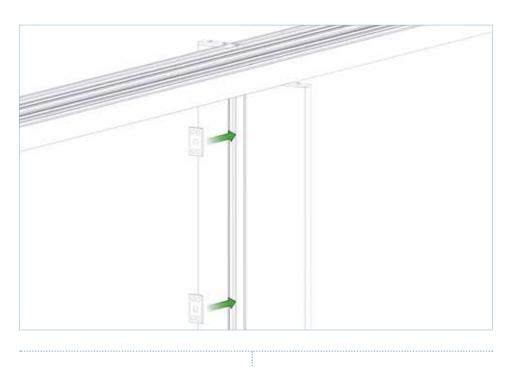
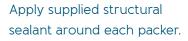
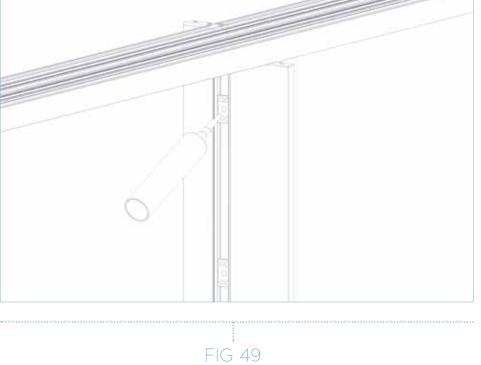
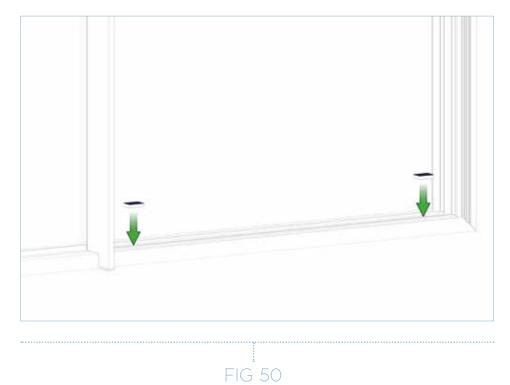


FIG 48

Pack out as appropriate.

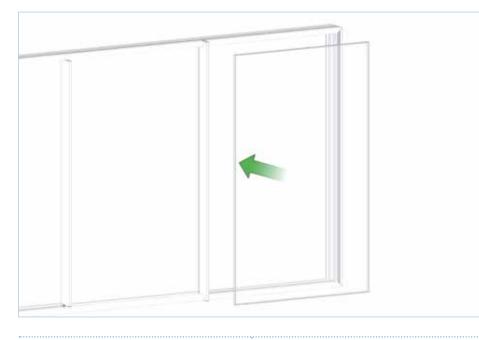






### Place 10mm anti-lift packers into track channel.

Insert glass into frame and slide over on to pre-applied structural sealant in interlocker. Pack out below glass, so it is central in the frame.





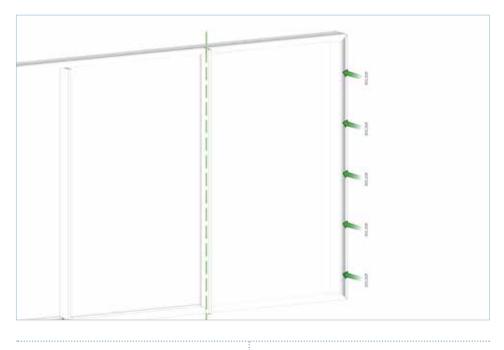
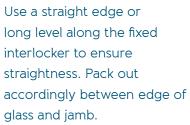


FIG 52



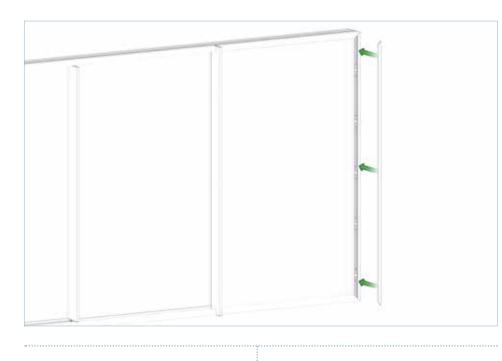
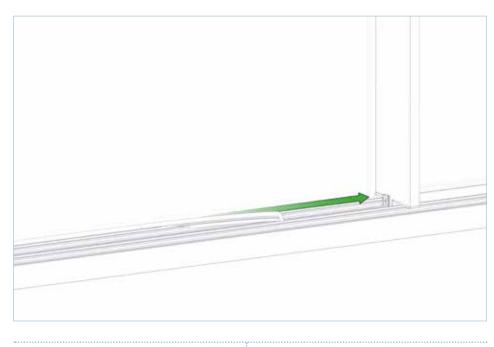


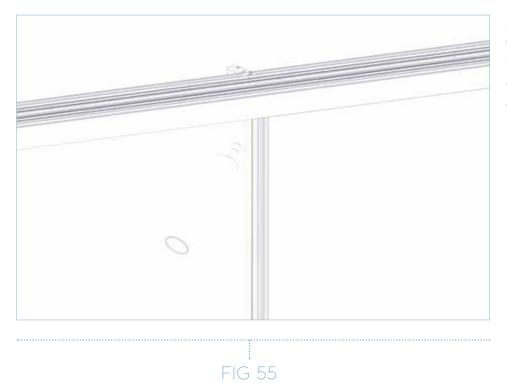
FIG 53

Secure frame bead in place. First clip top and bottom of bead, then proceed to clip in the centre.



#### Fit wedge gasket between glass and outer frame, on both inside and outside glass faces.





Apply bead of structural sealant along the length of interlocker (both inside and outside faces). Leave to fully cure before operating the set.



#### 11. Install frame covers



Clip in the vertical frame cover pieces.



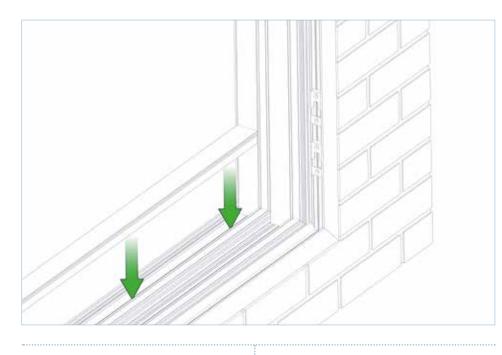


FIG 57

Clip in the horizontal frame cover pieces.

# Accreditations...

At Origin, we pride ourselves on providing best quality products backed by best levels of service and efficiency. Put simply, our aim is to continuously learn, evolve and improve.

We are well known for having rigorously high standards in everything that we do. We're also known for innovation, but we never want to settle: if there's a way that we could do something better, we will find it.

This ethos has been instilled throughout Origin. Whether it's a process, product offering or even the company's sustainability, we have created a culture that encourages continuous improvement.

To demonstrate our commitment and as a way of measuring our performance, we work towards gaining certain prestigious accreditations. Our achievements show a strong moral and ethical intent in how we operate and how we try to do things the best way, not because we are told to do so, but because we think it is the right thing to do.

We'll run through some of these now.



#### ISO 9001 – Quality Management...

ISO 9001 is an international standard that assesses a company's quality management system. Having first achieved it in 2013, the fact that we still are certified means that we have a track record of consistently providing products and services that meet both customer and regulatory requirements.

It's something that we take very seriously and its influence is integrated into every process. Key areas of this include:

Product quality – To ensure a product's overall manufacture is flawless, we have checks in place to guarantee you the best quality. A few examples are:

- Supply chain an inspection at the point of delivery and before going into manufacturing. If anything is spotted, it's documented and raised with the supplier.
- Production there are quality checks at every station, not only to look over the previous person's work, but to review the quality of the overall build.
- Equipment a robust maintenance schedule for machinery and equipment ensures consistency.
- Pre-delivery before it is packaged and loaded ready for delivery, there's another thorough check to ensure nothing's happened whilst being moved from station to station.

- Feedback as part of our mission to always innovate, whether it's from internal or external stakeholders, feedback is imperative. We are very proactive at bringing this type of information back into the business and learning, as it gives us an opportunity to improve.
- Training and development for our employees meaning we're better at understanding the good, the bad, and what we can do better.

#### PAS 24...

This is your guarantee that the door sets and windows that we manufacture deliver the right level of security for the buildings they are intended to be part of.

Like most British Standards, PAS 24 is a minimum standard, and it is either a pass or fail test. There isn't a performance scale for those that are more or less secure, so some of the products that pass will be stronger than the minimum requirement. That's why we have become Secured by Design accredited. Because it's a voluntary scheme, we feel it demonstrates our commitment to the security and overall performance of our products.

PAS 24:2016 is only available on the OS-77.

#### ISO 14001 – Environmental Management...

Now more than ever, we need to be aware of the impact our operations may have on our environment; the legal obligations we must adhere to, and ensuring we are doing things the right way.

The internationally renowned ISO 14001 accreditation measures the environmental management system that we have in place. It's a subject that's very close to our hearts, which is why working towards this standard was an easy decision.

We care about the resources we use for our products – where they come from and where they end up. To add to this, we aim to be zero waste to landfill and have already put into place many positive changes to make this happen. We want our customers to buy from us with a clear conscience and feel that ISO 14001 can prove that Origin is taking responsibility, acting ethically, legally and exercising best practice in all that we do. Our environmental management system covers:

• Waste management and energy targets – to reduce our consumption and impact on the environment Helpful hints, tips and reminders are prompted to all staff regularly, so that they can join us in our goal and see how small changes to their work practices can have a big impact.

- Product design and lifecycle recyclability and sustainability are a design priority for us.
- Supply chain choosing suppliers that are aligned with our ethos and vision. This is applicable not only when bringing on new suppliers, but also working with existing ones to better their carbon footprint – whether that's minimising packaging, reusing or even our drivers picking up the materials on their routes, rather than a supplier sending their own fleet, we are constantly reviewing how we can improve.



Certificate no. 218400

#### ISO 45001 - Health and Safety...

As with everything Origin, we go above and beyond when it comes to health and safety best practices.

ISO 45001 is a standard we achieved in 2019, and it recognises our commitment to employee safety, reduces workplace risks and creates a better, safer working condition.

We have spent time reviewing all the activities that go on within the offices, manufacturing centres and warehouses, and have created a full risk log which will link up to our current risk assessments. These are being reviewed one by one to ensure we are minimising risks as much as we can to keep Origin employees, and anyone who may be affected by these risks, safe. Employees working in the factories are actively encouraged to put forward risks and hazards from their observations, which is fed back so they can be actioned to be rectified or developed into an improved method of operating.

We share knowledge through inter-departmental health and safety committee meetings, risk assessments, regular safety and environmental checks and training to ensure that we are up to date with legislation and best practice.

Our bespoke Safety, Health and Environmental (SHE) Portal has provided us with a place to document, set reviews and monitor operational risks across Origin. This portal is an ongoing project that we will continue to work on, allowing us to ensure that safety at Origin is at the best standard we can achieve.

We are People focused and aim to keep people safe, both inside and outside of Origin, providing awareness, training, instruction and information to operate safely.



### origin

**OS-20** 

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