

From:
To: [Planning](#)
Subject: V of C application Low Farm Sneaton re windows E12606- Nymnp window colour
Date: 12 March 2024 15:43:23
Attachments: [image001.jpg](#)

Hi Planning Team,
Planning Portal ref PP-12869935 for a recent application.

The clients have confirmed a preference for window frame colour.
As manufacturers list Cream RAL 9001.

Kind regards
Neil

NYMNPA

12/03/2024

BHD Design Ltd **Architectural services**

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BHD Design Ltd, Flat 1, Airy Hill Manor, Whitby, YO21 1QB Tel: 01947 604871

From: Planning Portal <notifications@planningportal.co.uk>
Sent: 11 March 2024 10:50
To: <enquiries@bhddesign.co.uk>
Subject: An update on your application

Dear Neil Duffield

An update on your Removal/Variation of a condition application with the reference number PP-12869935.

Your application has now been received by North York Moors National Park and they will review and validate it within their timescales. This email is not a formal acceptance of your application by them. If more information is needed, then they will contact you directly.

Details of your application

- Application Type: Removal/Variation of a condition
- Reference number: PP-12869935
- Version: 1
- Applicant: J Sutton
- Application site address: Low Farm, Beacon Way, Sneaton, Whitby, YO22 5HS
- Submission date: 11/03/2024 10:44:12
- Received date: 11/03/2024 10:50:04
- Application Fee: £293.00
- Total Service Charges: £64.00

[View Application](#)

For more information on the progress of your application, please contact the Local Planning Authority as the Planning Portal is not involved in the decision-making process.

- North York Moors National Park
- <http://www.northyorkmoors.org.uk>
- 01439772700
- planning@northyorkmoors.org.uk

This email is for information only, please do not reply as the mailbox is not monitored. If you do need to contact us at Planning Portal, you can email support@planningportal.co.uk or browse the [FAQs on the Planning Portal website](#).

Regards

The Planning Portal Team

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PortalPlanQuest Limited (reg. no 09400439) is a joint venture between the Department for Levelling Up, Housing & Communities (DLUHC) and TerraQuest Solutions Limited.

www.planningportal.co.uk

|



FLUSH SASH

NYMNPA

11/03/2024

FABRICATION MANUAL |
DECEMBER 2021



PREFACE

The information provided in this manual should be treated as guidance only. VEKA UK Group cannot control how the information is interpreted and therefore, cannot be held responsible for any failure. Regulations regarding Health & Safety of operatives, along with relevant Building Regulations should be strictly adhered to, as such, VEKA UK Group cannot be held responsible for any failure to comply with them. This statement does not affect the Fabricators statutory rights.

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Do not scale drawings in this manual. Any drawings shown are visual representations only. VEKA UK Group reserves the right to alter designs, specifications and descriptions without prior notice as part of our policy for continuous development and improvement.

Any glazing used should be in accordance with the most recent British Standard applicable to the installation.

Flush Sash windows are a specialist product and as such, thought needs to be given in regards to manufacture and installation. Tolerances are critical, therefore VEKA recommends this product is manufactured on its' own line or a specials line and therefore not treated as a mainline product.

The VEKA Flush Sash profile and associated parts detailed within this manual are designed to function with the VEKA Fully Sculptured profile suite.

PAS24:

The information detailed within this manual is based on a typical domestic specification. PAS24 applications require different configurations / combinations. For further information on a PAS24 specification, please contact the VEKA Technical Department on technical@veka.com / 01282 725 360.

Alternatively, further information can be sought within our 'Guide to Enhanced Security of Windows and Doorsets' document.

SPECTRAL Foils:

Due to their design, some systems require the use of hand-inserted gaskets. These can feature a thin film of lubricant, i.e. silicone or glycerol, which assists them being inserted within the gasket grooves during fabrication. Given their positioning, it is possible for some of the lubricant from the gaskets to migrate to the surface of the SPECTRAL foil, creating a slick appearance around the location of the gasket. Following extensive testing within our in-house lamination laboratory, we can confirm that this has no lasting effect on the foil and can be removed using warm soapy water and a non-abrasive cloth.



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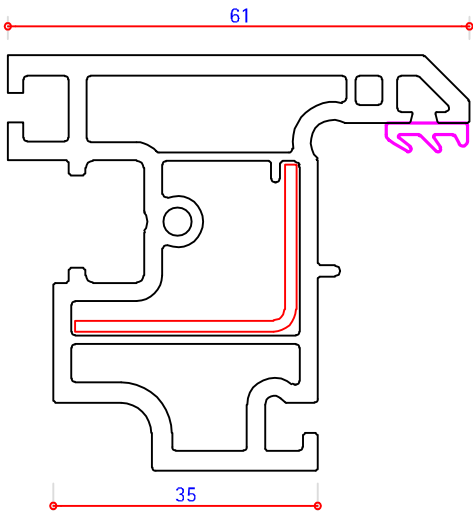
PRO-JOIN SECTION

26	TOOLS REQUIRED
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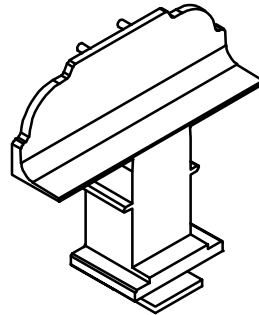
34	REVISIONS
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COMPONENTS

The VEKA Flush Sash profile and associated parts detailed within this manual are designed to function with the Matrix Fully Sculptured profile suite.



703810
Flush Sash
Steel L Section 713226
Steel L (Prepped) 713227



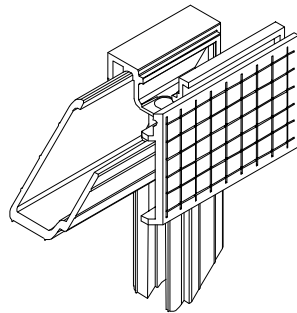
109040
French Mullion
End Cap
For use with
702533 ONLY



744181
Brush Pile
Bead Groove Infill
(Black)



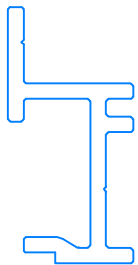
112380
Bead Groove Infill
(Black/White)



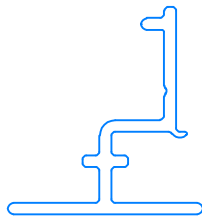
141411
Mechanical Joint
Moulding



712043
Flush Sash Seal



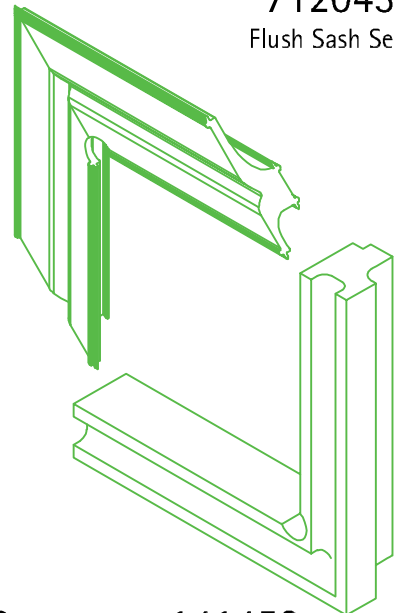
104395
French Mullion
Adapter



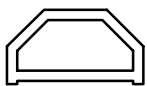
104495
Slim Sightline
Mullion



709109
Flush Sash
Hinge Packer



141458
Corner Cleats



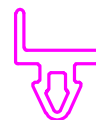
709824
Georgian Bar



709317
Weather Bar
709232
End Caps

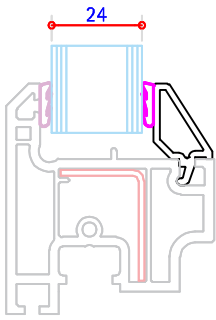


744163
Weather Bar Screw
(Nipple Screw)

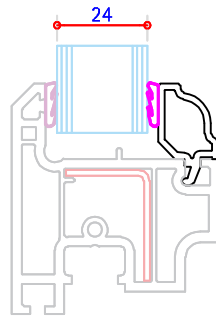


712129
Flush Sash Seal

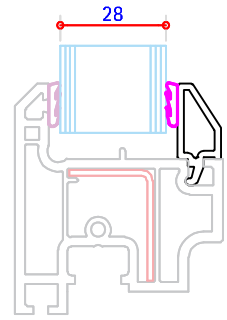
COMPONENTS



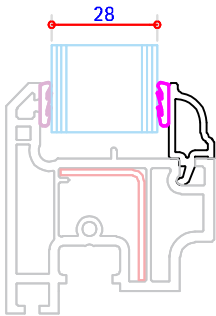
707429
24mm Glazing Bead



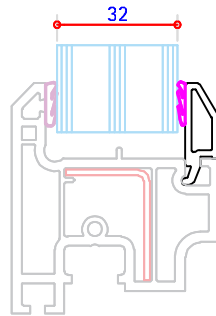
707431
24mm Glazing Bead



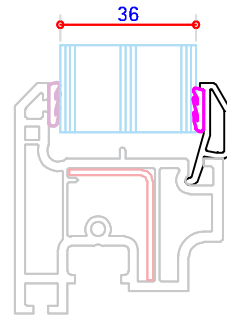
707427
28mm Glazing Bead



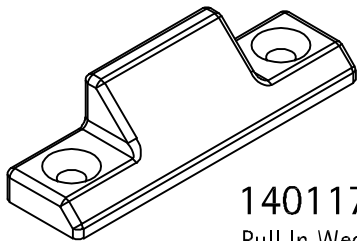
707432
28mm Glazing Bead



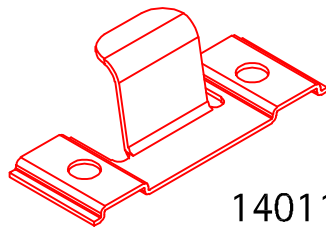
707426
32mm Glazing Bead



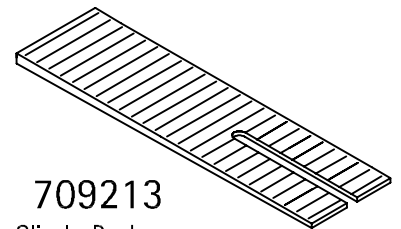
707437
36mm Glazing Bead



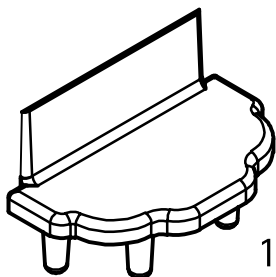
140117.1
Pull In Wedge
(Frame Section)



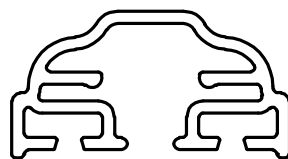
140117.2
Pull In Wedge
(Sash Section)



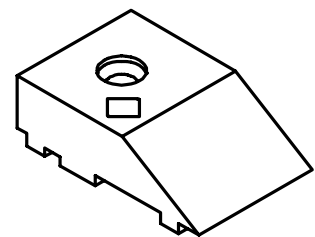
709213
Clip In Packer
(White)



109131
Slim Sightline
Mullion End Cap



109130
Slim Sightline
Mullion Cover



109398
Run Up Block

DESIGN AND STATISTICS

The domestic reinforcement specification is applicable to VEKA Fully Sculptured Flush Sash profile system using white and light coloured profiles only. This specification should only be used for houses up to 3 storeys in height and in geographical locations where wind loads do not exceed 1200 Pascals.

Please note that some window installations falling into this category must be either locally or fully reinforced due to client specifications which must be confirmed prior to manufacture.

When producing windows & doorsets covered with dark coloured foils, please contact the VEKA Technical Team for further guidance regarding issues related to thermal expansion.

Consideration needs to be made to other factors involved which include requirements for PAS24 / SBD.

Sash 703810 (P10527)

The maximum sash sizes are determined by the choice of hinge, glazing unit, hardware, the profile and reinforcement specification. Ensure that the hinge manufactures recommendations for the overall sash weight and size restrictions are not exceeded. Due to these factors, it may not always be possible to manufacture sashes to the limits shown, if in any doubt contact your hinge supplier for advice.

Sash Type	Maximum Width	Maximum Height
Top hung Reinforced	1376	1376
Side hung Reinforced	776	1526
Fixed Reinforced	3000	3000

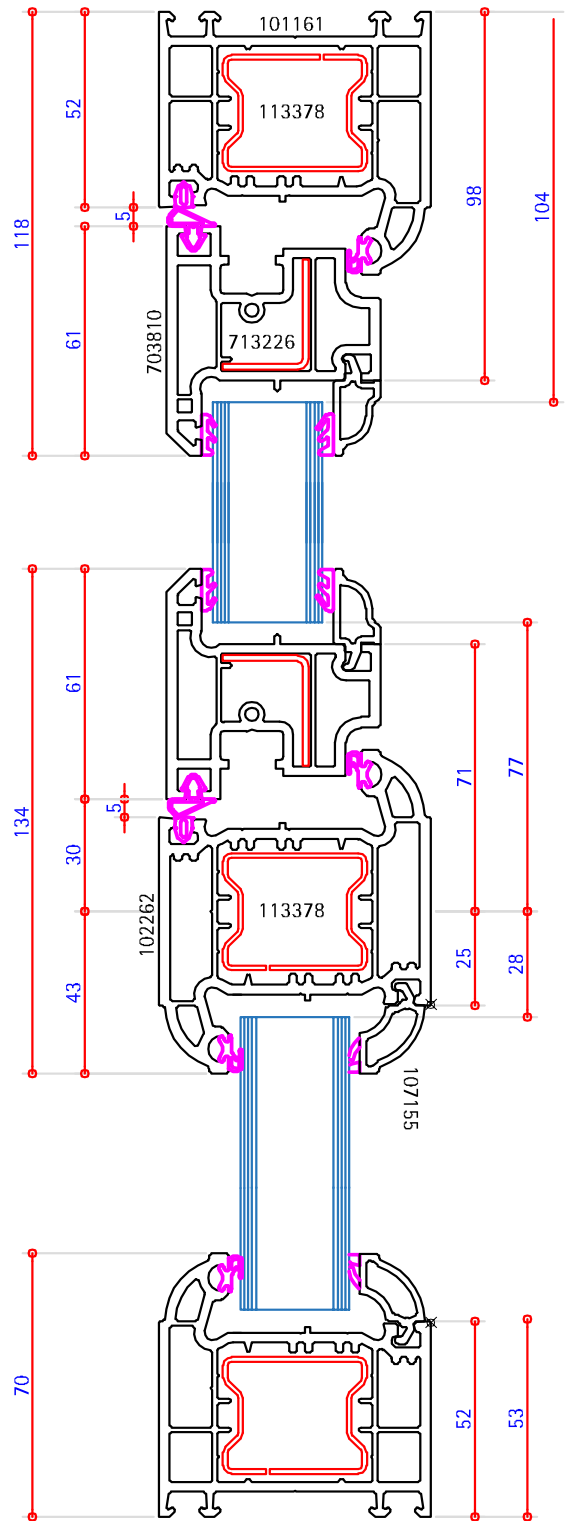
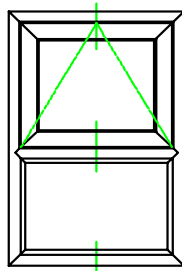
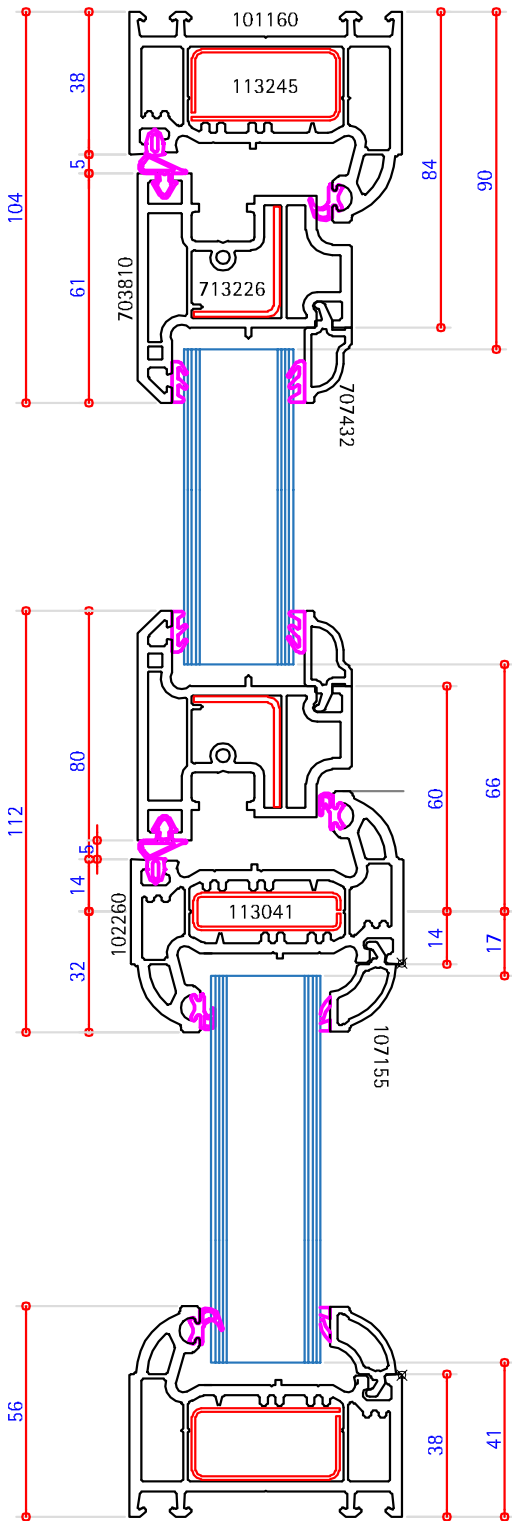
* When using the espagnolette sashes the bottom rail of the sash should be reinforced over 900mm in a continuous length.

^ Due to the overall size of the sashes that may be manufactured, the weight and loadings on the hinges will increase pro-rata. Therefore, the frame stile where the hinges are to be secured shall be reinforced. The reinforcement may be pieced but shall be of a length to enable the screws attaching the hardware to the frames to be secured into the steel reinforcement. Reinforcement of the sash is to take place where it is necessary for hardware to be secured into steel and always down the locking stile which is to be fit in one continuous piece.

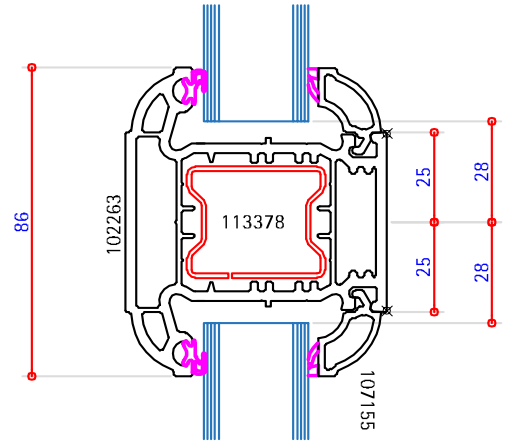
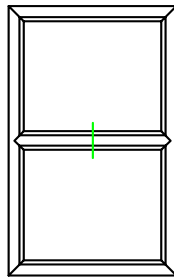
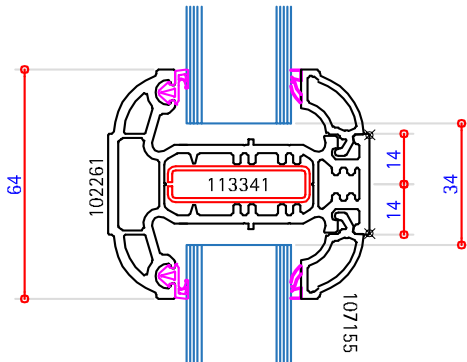
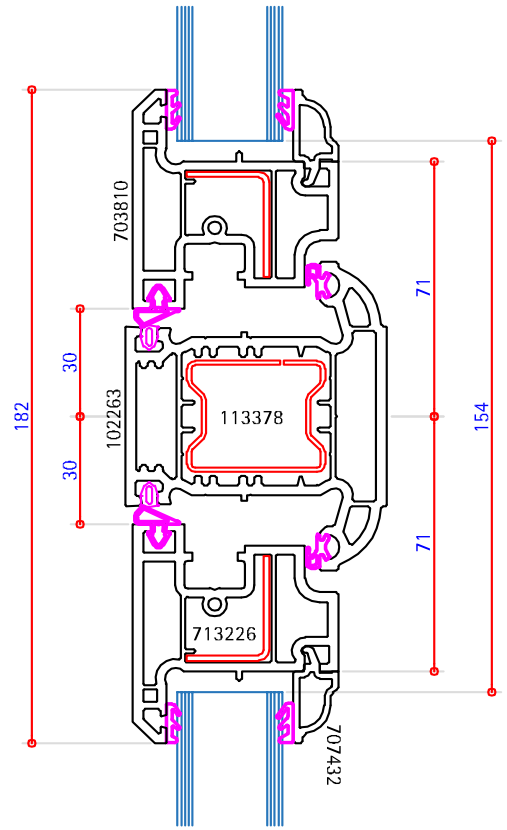
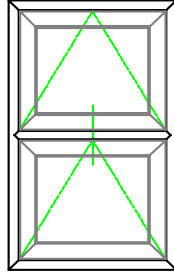
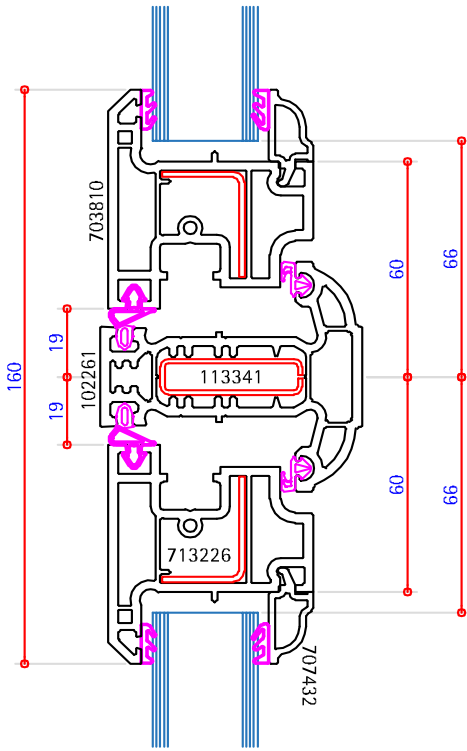
Notes:

- Any sizes stated are either:- sash rebate lengths.
- Sash sizes are based upon a design wind pressure of 1200Pa.
- For all other exposure categories contact Veka UK Group Technical Department for advice and guidance.
- Use cavity locking wedges, run up blocks and glass packers as detailed in the manual.
- Consider glass weight - This specification is based upon 28mm DGUs using 4mm float / toughened glass.
- All dark coloured profiles must be fully reinforced with a maximum fixing centre distance of 300mm.

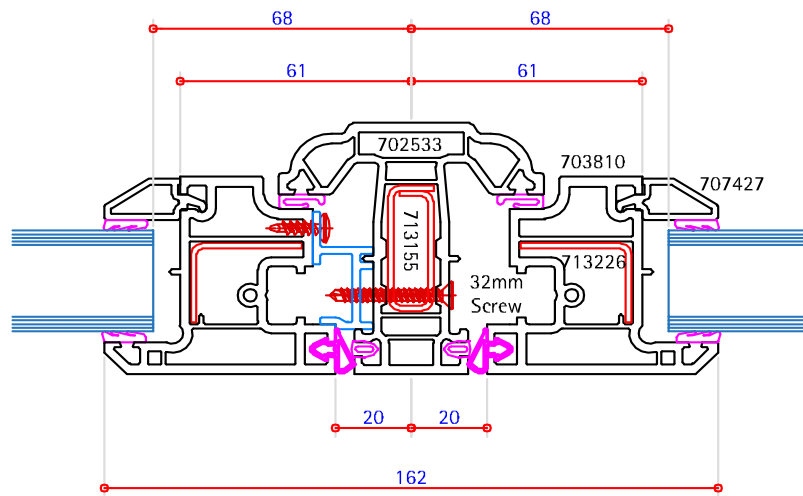
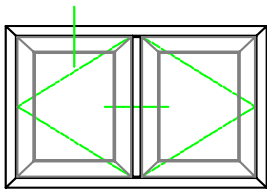
CROSS SECTIONS



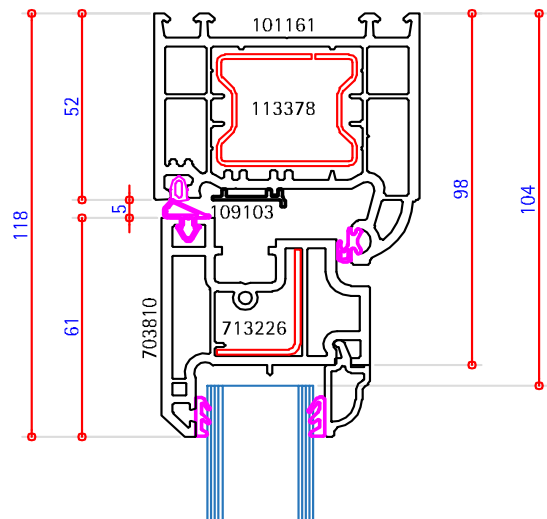
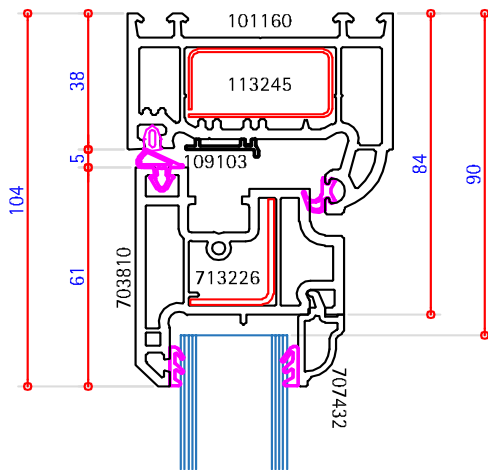
CROSS SECTIONS



CROSS SECTIONS



French Mullion height = finished sash height.



DRAINAGE INSTRUCTIONS

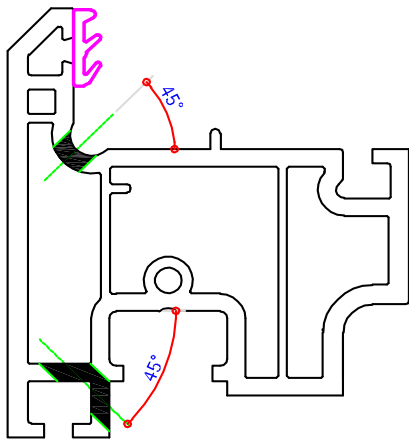
Drainage slots must be offset by 80mm and must not break into reinforcement chambers, slots must also be cleaned out removing all swarf to prevent water build up.

Pressure equalization is recommended especially for non domestic or exposed locations above three stories/floors or 1200pa. This can be achieved by repeating the drainage detail on the top rail of the sashes or by 2.5mm drill holes in each fixed and opening light, 150mm from each top corner.

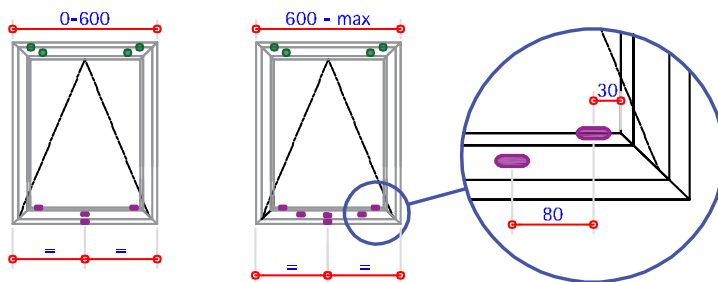
The standard size for drainage slots is 5mm x 30±5mm as it may not be practical to machine large pieces of outer frame profile five adjacent 5mm drill holes can be used instead

Face drainage slots must be drilled at their lowest possible point.

Care should be taken to ensure any gearing does not block or restrict the drainage, if this is the case the drain slot position may need to be moved or additional drainage provided.

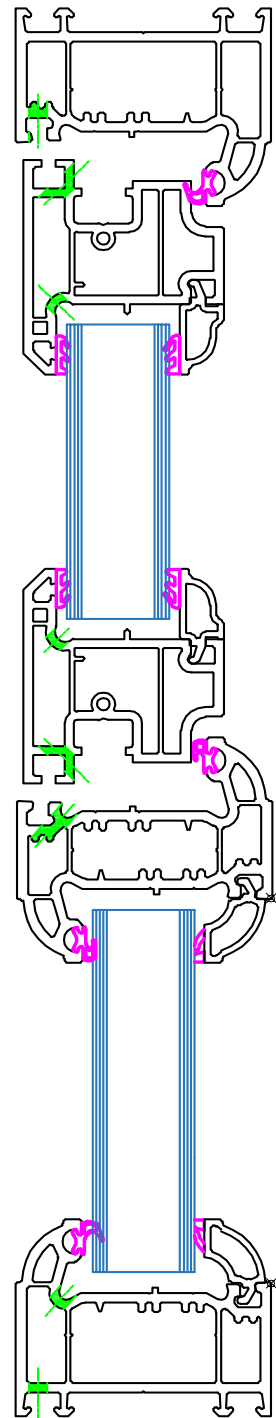


Drainage and pressure equalization positions.



- Drainage.
- Pressure equalization.

The flush sash seal & bead groove infill have been omitted for clarity



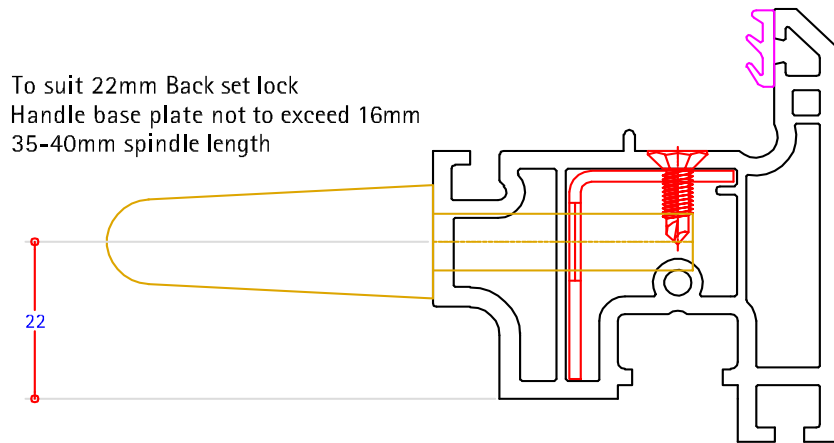
REINFORCEMENT

713226 Steel L Reinforcement

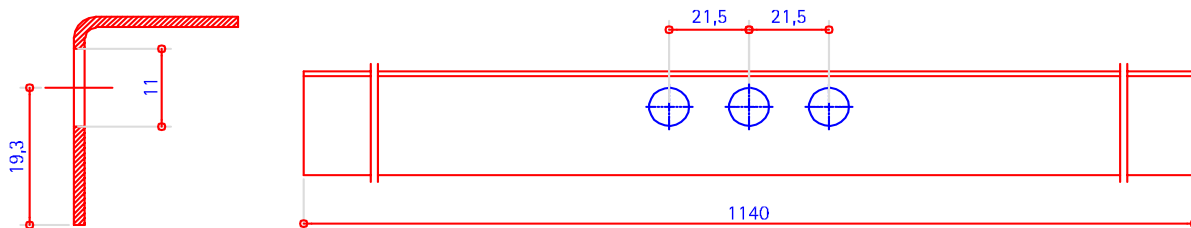
All dark foiled profiles must be fully reinforced irrespective of size.

The base member of all triple glazed sashes over 700mm wide must be reinforced.

First screw within 100mm from each end of the section and the screw centre fixing points into reinforcement must not exceed 400mm with a minimum of two screws secured in each bar length using M4 13mm faceted c/sk drill point screws.

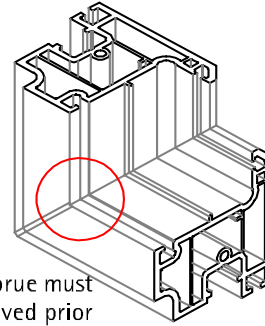
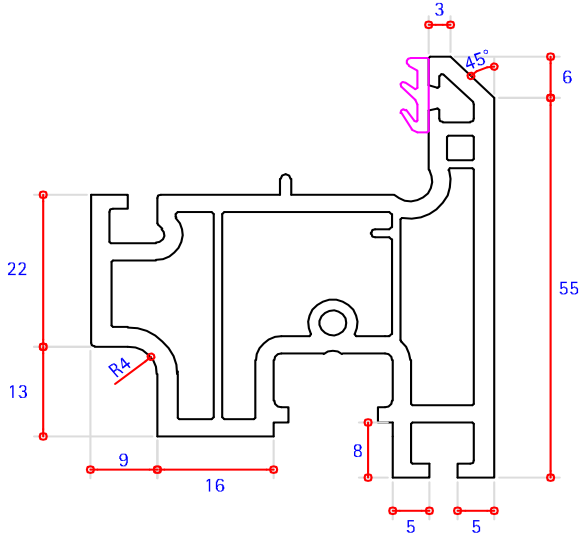


713227 Prepped Steel L Reinforcement



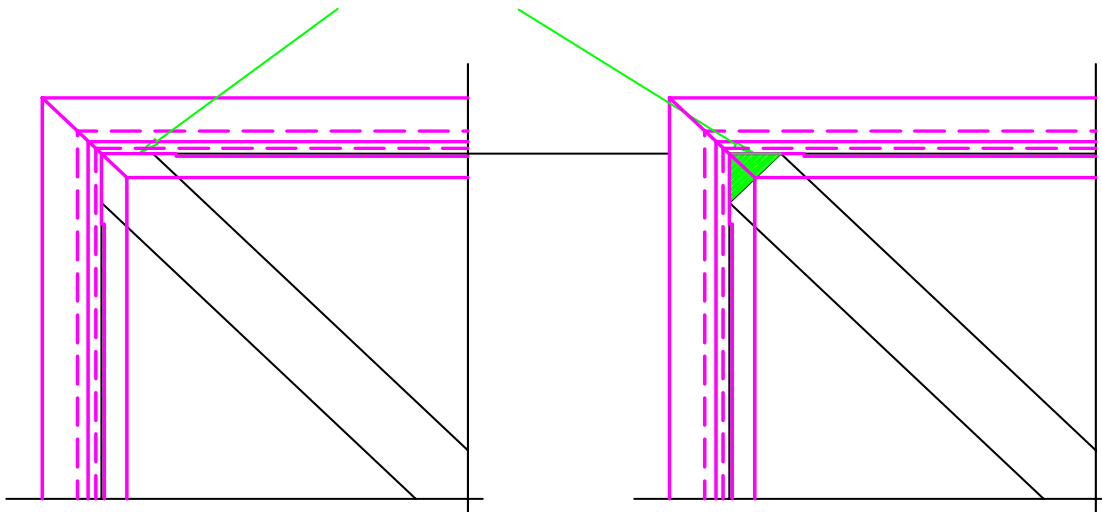
CORNER CLEANING

703810 Flush Sash

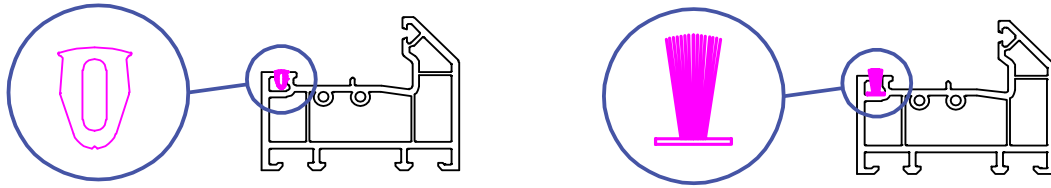


Weld sprue must be removed prior to beading.

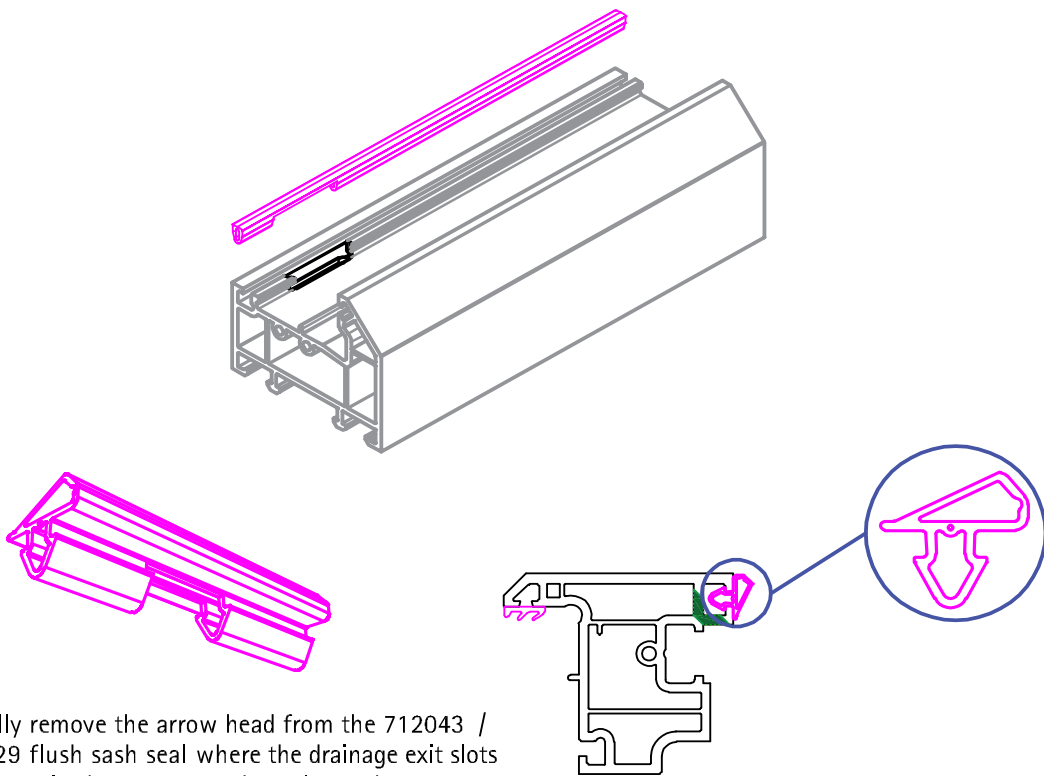
The outside corner of the sash should be left sharp so as to avoid a hole in the corners.



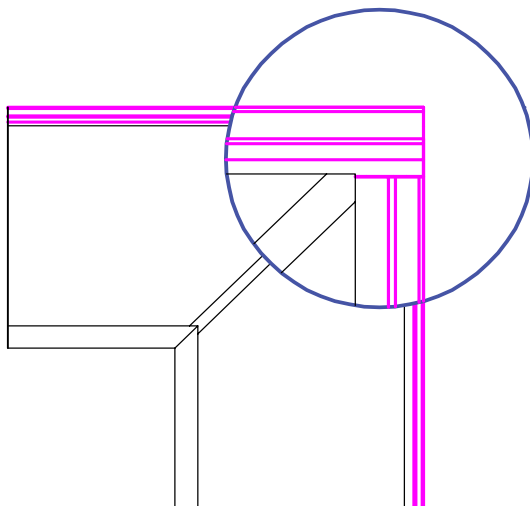
GASKETS



A section of the body of 112380/744181 will need to be cut adjacent to the drainage slots as shown below to create a continuous weather seal without hindering the drainage. 744181 has been introduced to help with fabrication tolerances around the sash and help cover any small gaps between the sash and frame.



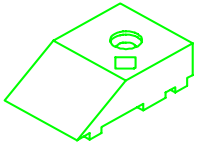
Locally remove the arrow head from the 712043 / 712129 flush sash seal where the drainage exit slots in the 703810 sash are located.



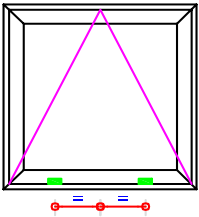
712043 and 712129 are butt-jointed at the sash corners.

RUN UP BLOCK

109398

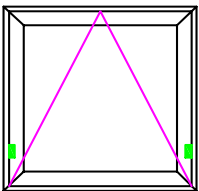


The use of a run up block is not mandatory.



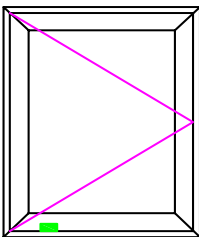
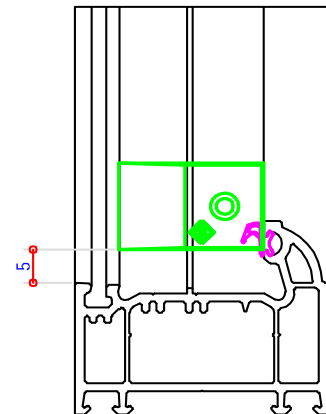
Shootbolt Locking

Run up blocks should be equally positioned either side of the lock gear case, as shown. Care must be taken so that the positioning does not interfere with the operation of the cams.



Espagonolette Locking

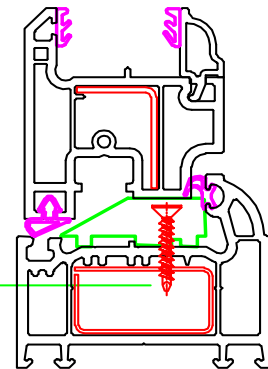
Run up blocks should be positioned as shown. 10mm from the internal corner.



Side opening Shootbolt/Espagonolette Locking

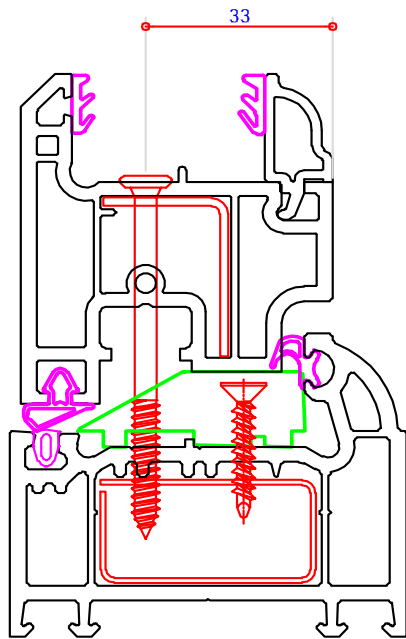
Run up blocks should be positioned on the bottom corner, as shown.

3.9 x 29mm C/SK Drill Point Screw into reinforcing.
4.3 x 29mm C/SK Gimlet Point Screw into PVC-U.

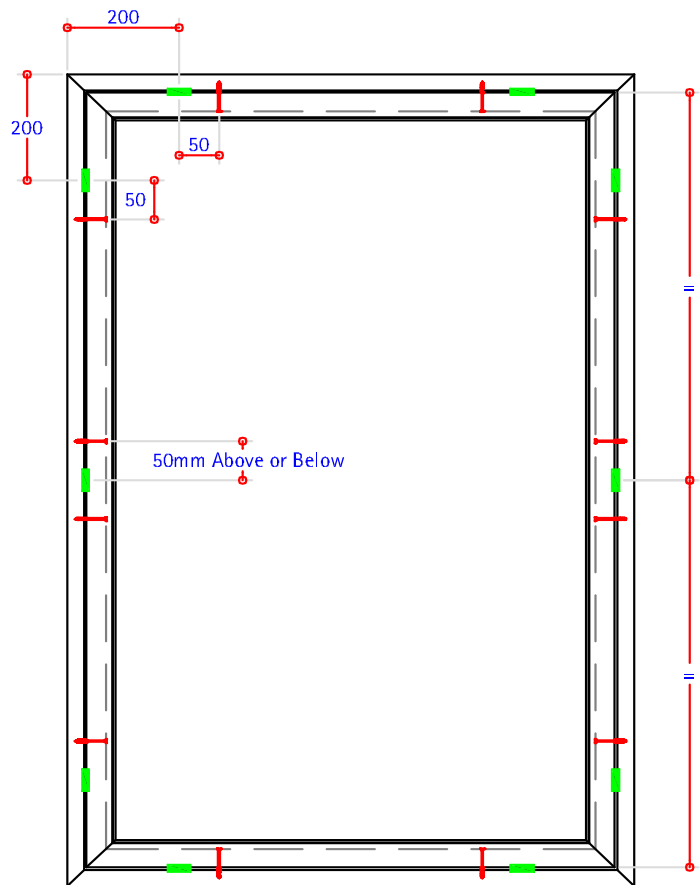


DUMMY SASHES

Using 109398 Run Up Block



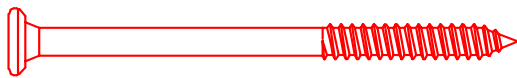
Sash Height/Width	Qty (per side)
Under 1000mm	2
Over 1000mm	3
Over 1500mm	+1 (per 500mm)



Please Note!

When fixing dummy sashes on both sides of a transom or mullion, frame fixing screws must be staggered to prevent them from interfering with one another.

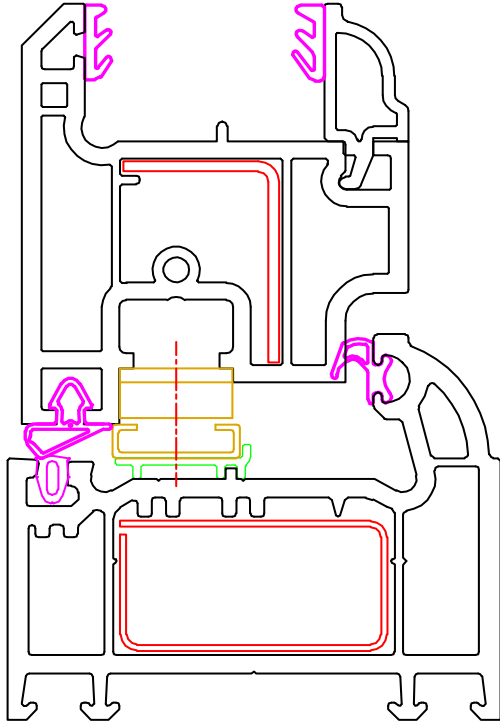
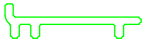
4.8 x 65mm Gimlet Point Frame Fixing Screw.



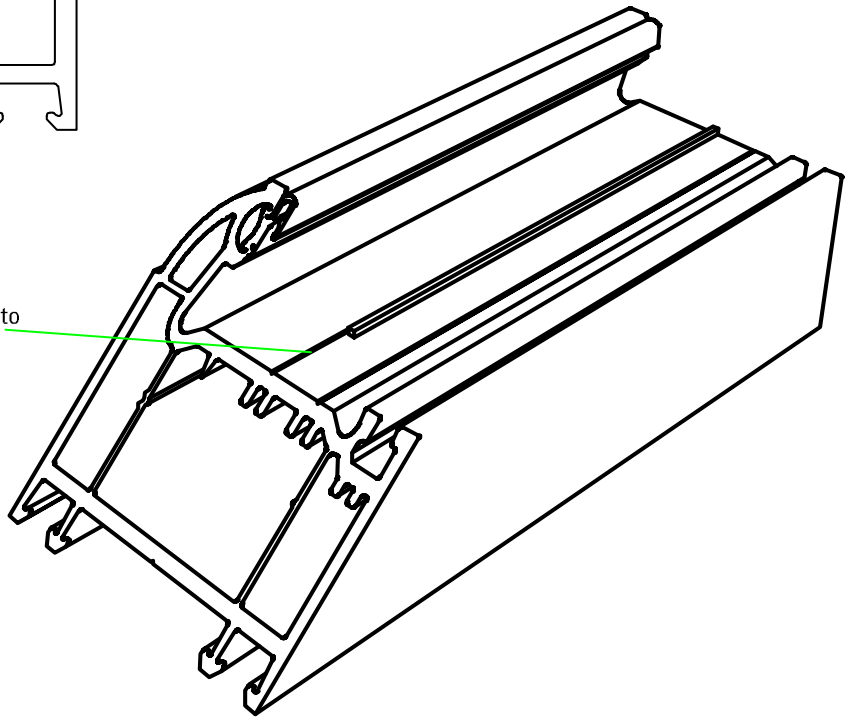
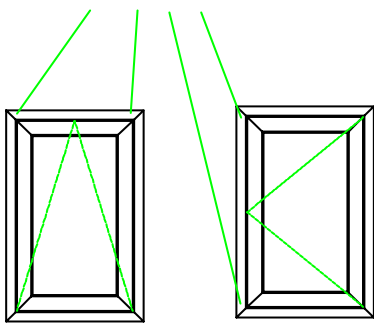
HINGE PACKER

109103

The 109103 Hinge Packers allows 13mm stack height hinges normally used on Matrix Fully Sculptured casement to be used.



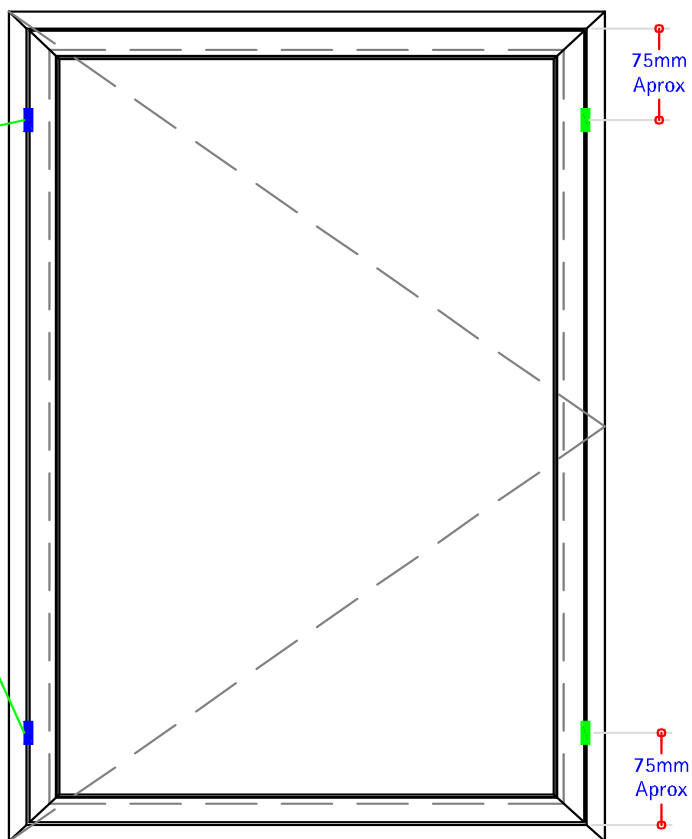
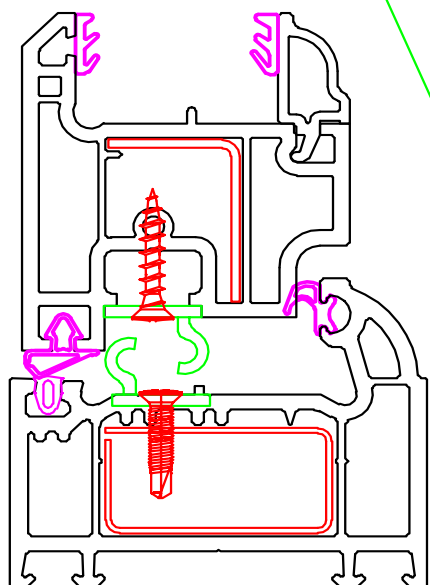
A small section of the location pip will need to be removed to allow the hinge to sit correctly in the frame.



HINGE PROTECTOR

GT Stay Guard Elite (Non VEKA Product)
Required to achieve enhanced security accreditation.

Fit run up blocks on opposite side to the Stay Guard Elite and pack the unit at the same positions to prevent sash movement.



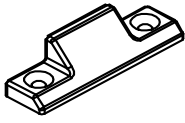
Fit the Stay Guard Elite approximately 75mm centres from the internal corner. Secure using either 4.8 x 19mm or 4.8 x 25mm carbon steel zinc coated screws.

SG035 - Stay Guard Elite available from:

GT Window Products
Unit 4203 Oakfield Close
Tewkesbury Business Park
Tewkesbury
Gloucestershire
GL20 8PF

T: 01684 290944
F: 01684 276482
E: sales@gtwindowproducts.co.uk

PULL IN WEDGE

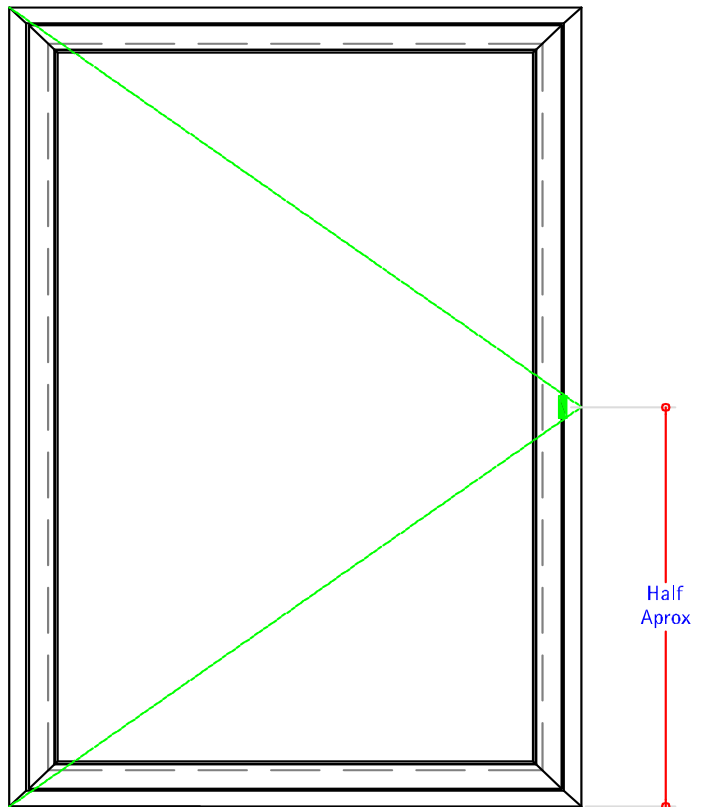
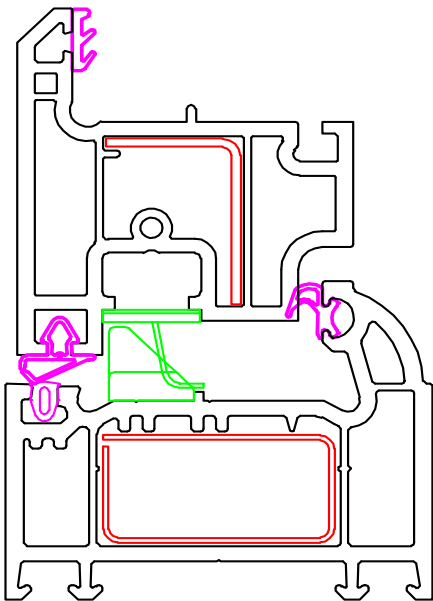


140117.100000
Pull In Wedge - Frame



140117.200000
Pull In Wedge - Sash

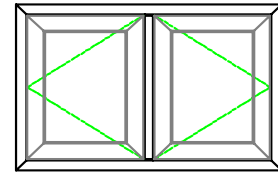
It is recommended to fit the pull wedge central on the hinge jamb when sashes exceed 600mm in width or height.



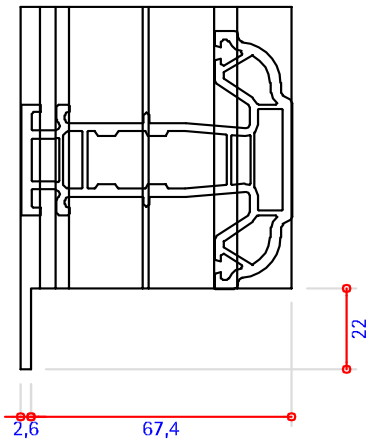
FRENCH CASEMENTS

End preparation and False Mullion

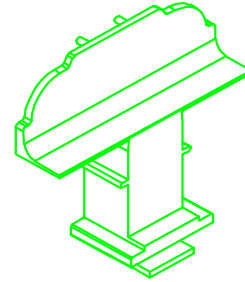
109040 French Mullion End Cap For use with 702533 70mm Transom only.



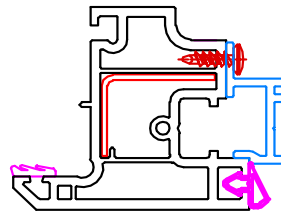
French Mullion height = finished sash height.



End milling detail for 702533 when 109040 French Mullion end cap is required.

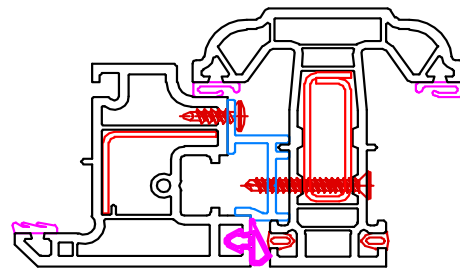
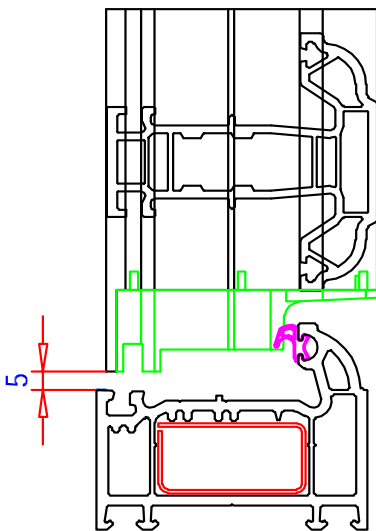


Secure the 104395 French Mullion Adapter to the slave sash using 3.9 x 16mm gimlet point screws - maximum 300mm centres.



Glue the 109040 French Mullion End Cap.

Secure the 702533 false mullion to the 104395 French Mullion Adapter using 3.9 x 32mm self tapping screws - maximum 300mm centres.



GLASS PACKING

Prior to installing any glass unit or panel, the Clip In Packer, 709213 must be fitted into the glazing rebates of the sash wherever the glazing unit has to be packed or spaced.

The Clip In Packer:

- acts as a Bridge Block when used in the bottom rails to allow drainage of the rebate.
- provides a flat surface from which to pack or space the glass.
- prevents the glazing unit standing in water, helping to prolong the integrity of the seals to the glazing unit.

Bridge Packer are to used on lower horizontal rails, with a minimum of 2 per rail. Position not to interfere with drain slots.

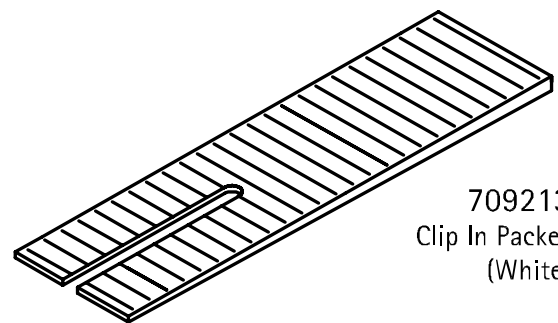
Glazing Packers are used to pack the glass unit into the apertures. These packers are to be position adjacent to locking points, additional glazing packers must be used to support the glass on longer lengths.

Always ensure the packing blocks that are wider than the glass unit or panel, e.g. for a unit 28mm wide, use a packer 30mm wide. If factory glazing, apply a small amount of silicone adhesive to hold the packing blocks in position whilst being transported, but care should be taken this does not interfere with the drainage.

The Clip In Packers must be placed in the appropriate packing positions shown on the diagram on the next page prior to placing the glazing unit or panel into the opening.

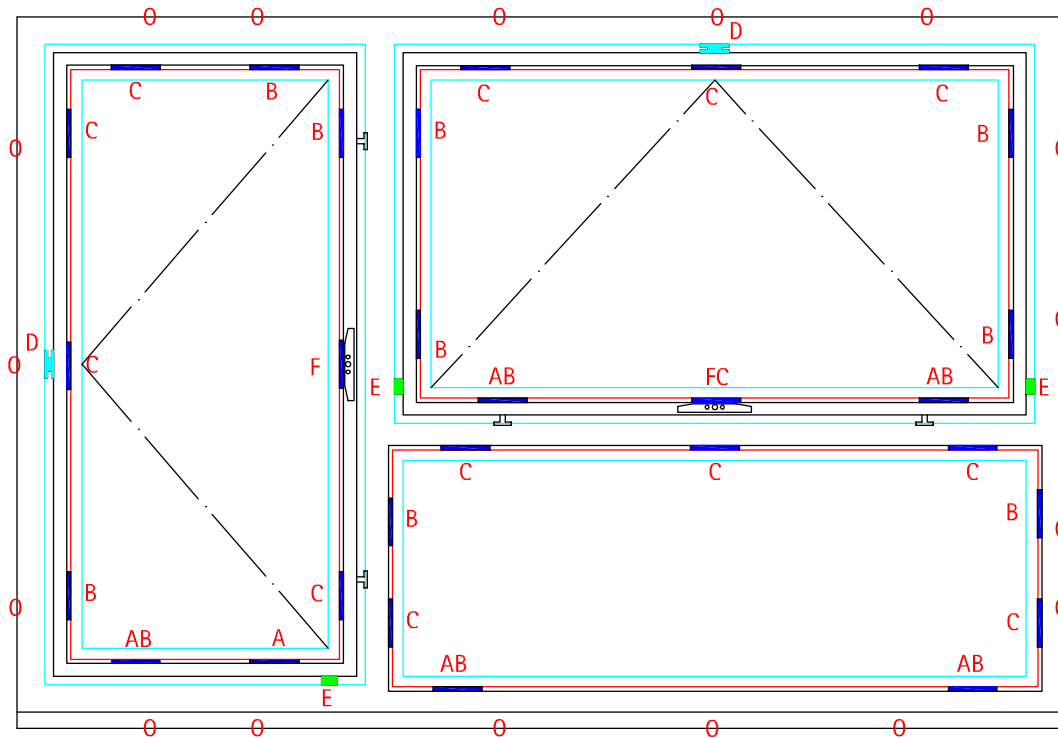
Care must be taken to ensure:

- All window frames are fitted squarely.
- All glass should be in accordance with BS6262.



709213
Clip In Packer
(White)

PACKER POSITIONS



A = Bridge Packer. Use on lower horizontal rails, min. 2 per rail. Position not to interfere with drain slots. Additional packers are required for lengths greater than 1500mm.

B = Glazing Packer. Use to pack the glass unit into the apertures.

C = Additional glazing Packers. Position adjacent to locking points or cavity locking wedges in sashes and frames, and to space the glass on longer rails.

D = Cavity locking wedges. 1No. pair required for sashes when there length exceeds 800mm. When sash exceeds 1200mm, 2No. pair are required.

E = Run up blocks. Required for side hung sashes, may be fitted to top hung sashes for additional security.

F = Locking Mechanism

O = Fixing Point. Perimeter fixing shall be positioned as follows:

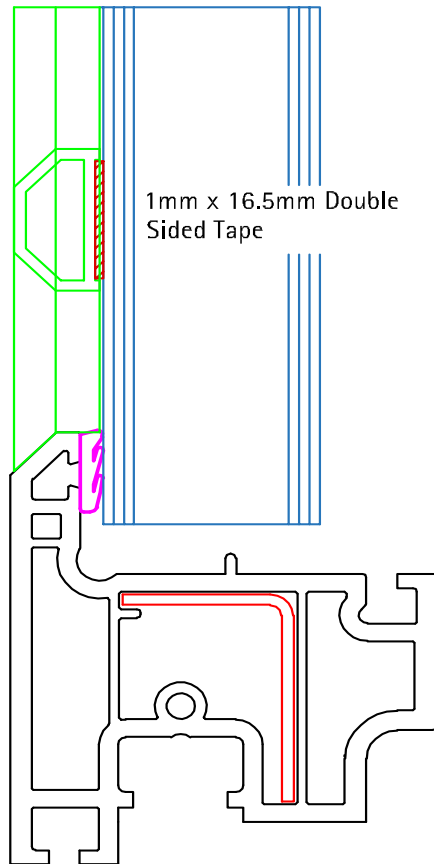
1 No. fixing 150-250mm from a corner both vertically and horizontally (outer edge).

1No. fixing 150-250mm at either side of a transom or mullion where it meets the outer frame.

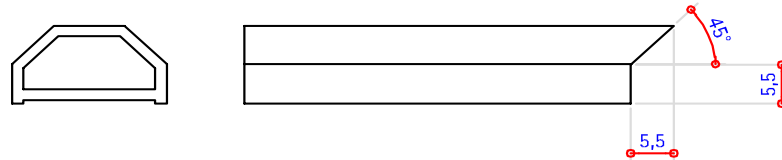
Fixings shall occur at no more than 600mm centres between the fixings at the corners, transoms and mullions. Where windows are coupled together, through frame fixings at 100mm from each end and at centres not exceeding 400mm are recommended.

GEORGIAN BAR

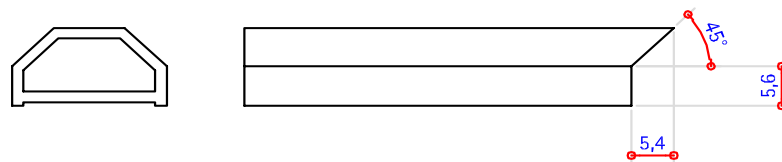
709824 Georgian Bar



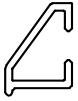
End milling detail for 709824 Georgian Bar fitting up to rebate face on 703810 Flush Sash.



End milling detail for 709824 Georgian Bar fitting up to 709824 Georgian Bar.



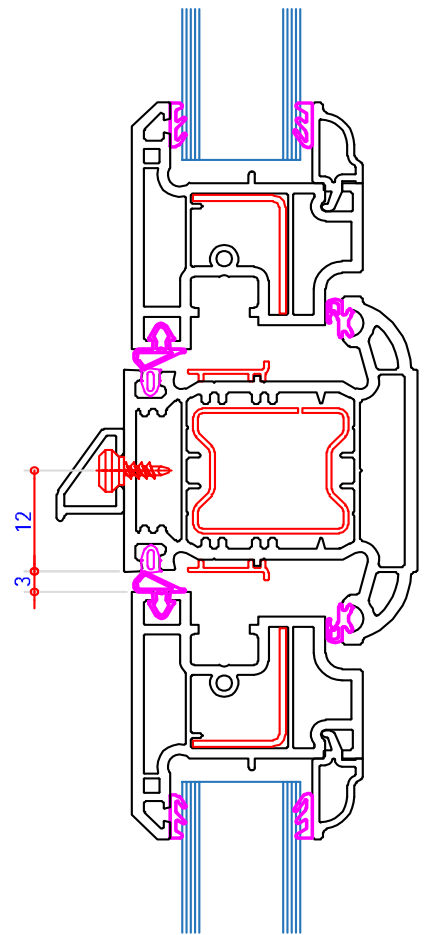
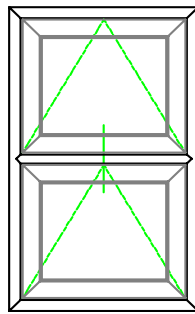
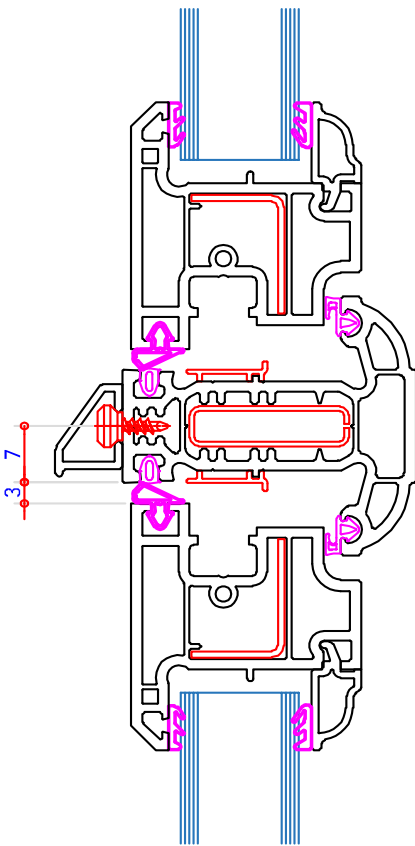
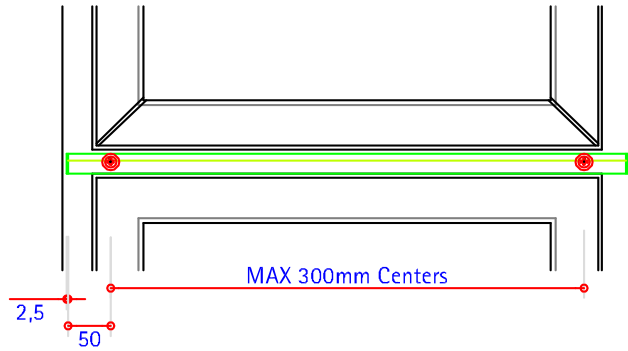
WEATHER BAR



709317 Weather Bar
709232 End Cap



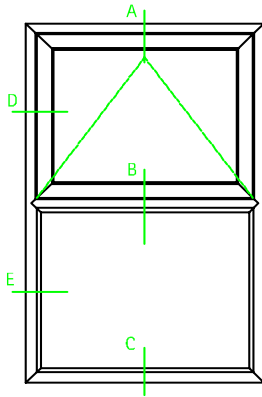
744163 Weather Bar
Screw (Nipple Screw)



For exposed locations, optional weather bars may improve weather performance characteristics.

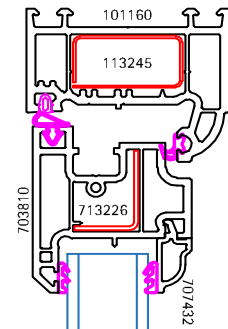
TYPICAL WER A SPECIFICATION

Using System 10 - Results will differ with Rustique profiles

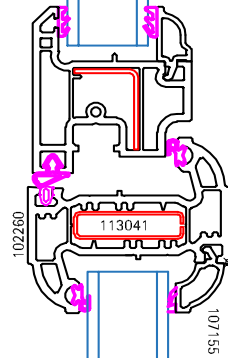


GLASS UNIT THICKNESS	28 mm (4/20/4)
EXTERNAL GLASS PANE THICKNESS	4 mm
EXTERNAL GLASS PANE TYPE	LOW IRON [FLOAT]
GAS FILLING	ARGON
INTERNAL GLASS PANE THICKNESS	4 mm
INTERNAL GLASS PANE TYPE	PLANITHERM TOTAL + (Planiclear 0,05)
SPACER BAR TYPE	SWISSPACER U
SECONDARY SEALANT MATERIAL & SECONDARY SEALANT DEPTH	POLYSULFIDE/POLYURETHANE 3mm
U VALUE OF GLASS (W/m ² K) BS EN 673	1.2
WER & ENERGY INDEX	A +6 [A +4]
U VALUE OF WINDOW (W/m ² K) Building Regs	1.4 [1.4]
U VALUE OF WINDOW (W/m ² K) BS EN 14351-1	1.4 [1.4]

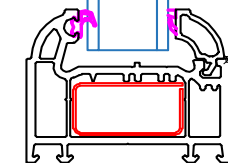
Section A



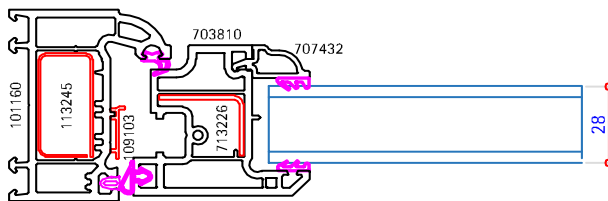
Section B



Section C



Section D



Section E



VEKA FLUSHSASH

PRO-JOIN

Pro-Join is an alternative method for joining the Flush Sash profile.

TOOLS REQUIRED:

4 Mechanical Joint Mouldings
Code: 141411

Flush Sash Anchor Milling Set Up
(available from Jade Engineering)

90° Plastic Cutting Pliers
(available from pmseurope.com)

Adhesive & applicator ; ensure suitable protective clothing, apparatus & ventilation is available as per the relevant adhesive manufacturers advice.

25mm Cargo Strap / Tie Down

At least 4 Corner Support Blocks xxxx
(available via your Technical Service Engineer)

90° Square

Sharp knife or box cutter

Recommended flat, clean bench with a full top / no open gap



METHOD

Method

Most production grade adhesives have a relatively short open-cure time. It is important to ensure that once the assembly process is started, all the steps are completed immediately.

Cut The Profile

Jamb size = finished sash size, cut 90°/ 90°

Top/Bottom = finished sash size minus 12mm cut 90°/ 90°

Reinforcement = rebate size - 120mm

Mill The Profile

Milling set up available from: Jade Engineering, Unit 70, Bayton Road Industrial Estate, Exhall, Coventry, CV7 9EJ.

Phone: 02476 365336 Fax: 02476 644308 Website: www.jade-eng.co.uk

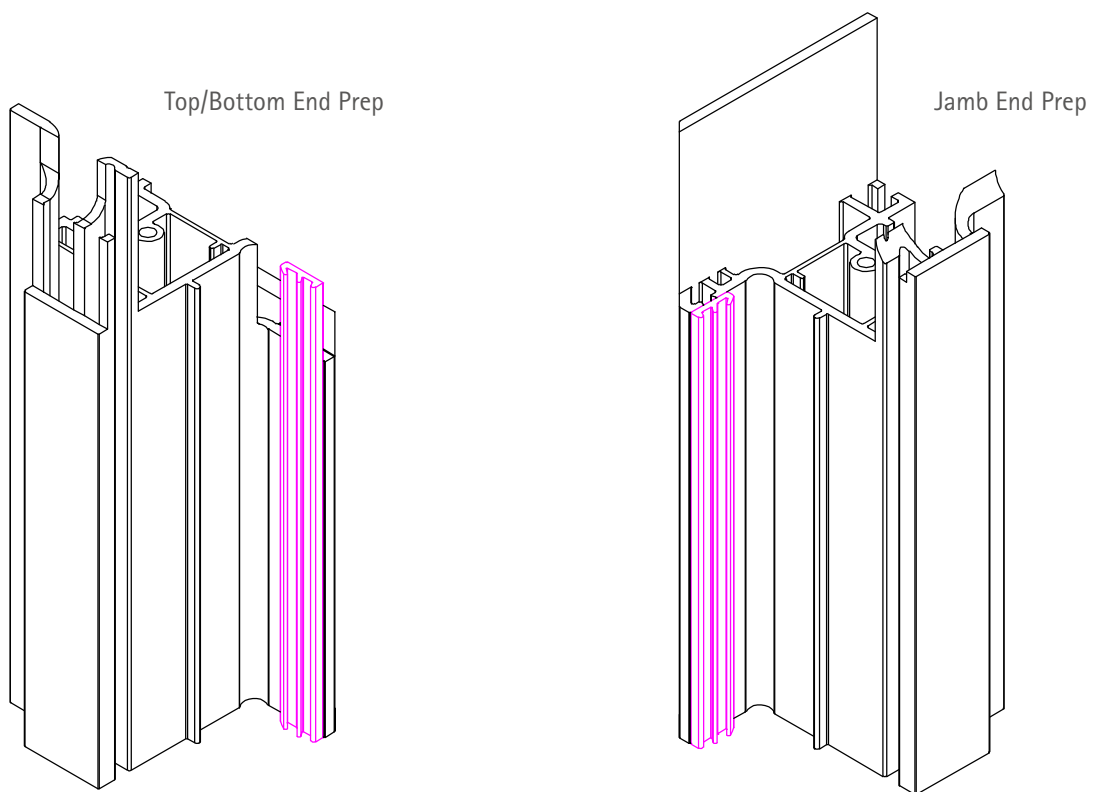
705810 Corner block horizontal and vertical milling preps

Machine - Little Jem

Fixture - 6244P

Horizontal Cutter Set - 6244N

Vertical Cutter Set - 6244M



Pre-Assembly Checks

- All four pieces of the cut profile are the correct length.
- Any routing such as handle/gearing preparation, vent slots and drainage are present.
- If reinforcing is required, there is sufficient space at each end to allow the corner anchor to be fully inserted.
- For side hung sashes, label the jambs with top/bottom.

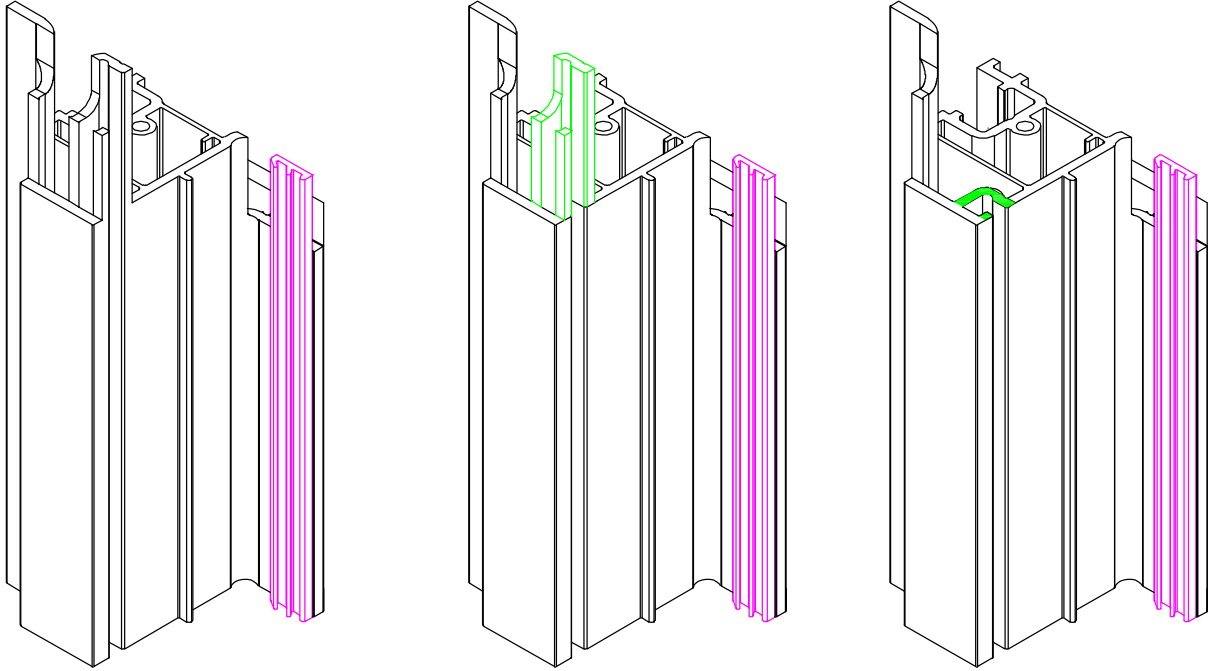
PREPARATION

Prepare The Profile

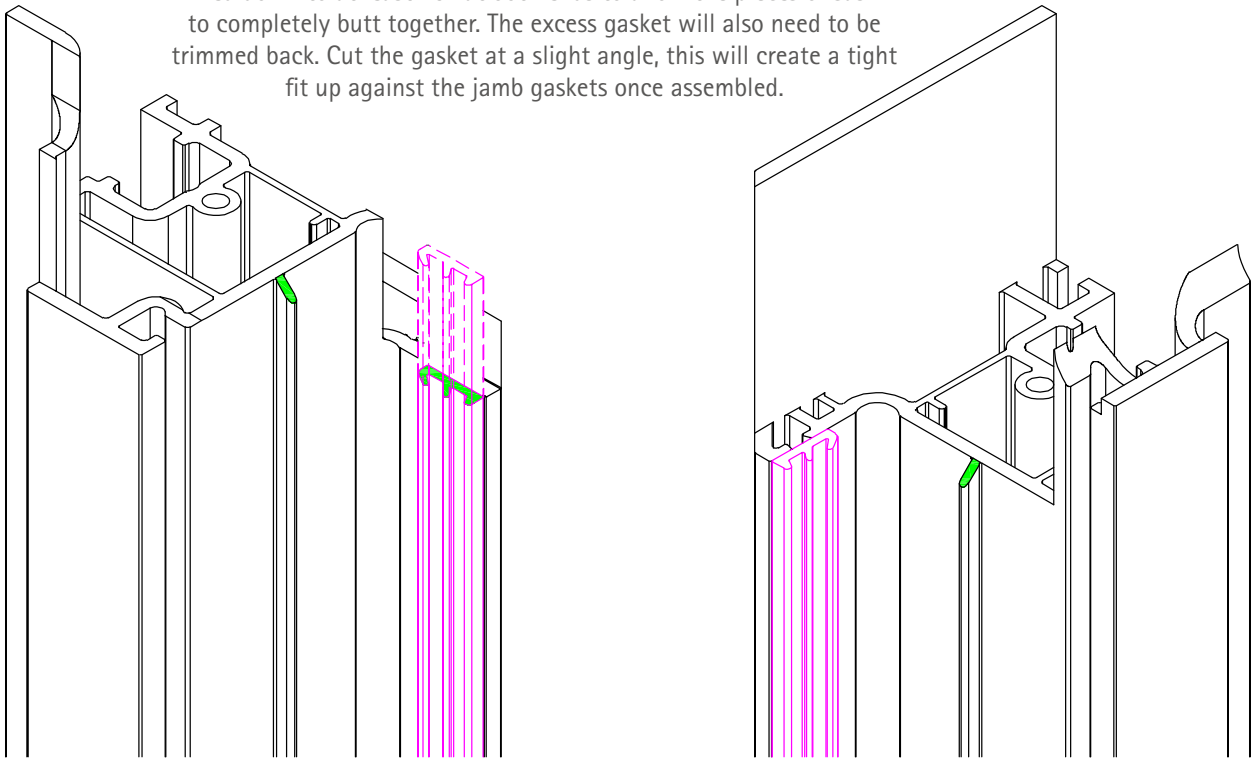
Once the profile has been milled, some further preparation is required before assembly.

The feature illustrated below needs to be removed from the top and bottom sections, this can be achieved using a sharp pair of plastic cutting pliers. The recommended 90° Plastic Cutting Pliers are available from pmseurope.com

Care should be taken to ensure the edge cut using the snips is completely flat.



The corner of the location pip on all four pieces must be snipped or filed down to at least 45° at both ends to allow the pieces of sash to completely butt together. The excess gasket will also need to be trimmed back. Cut the gasket at a slight angle, this will create a tight fit up against the jamb gaskets once assembled.

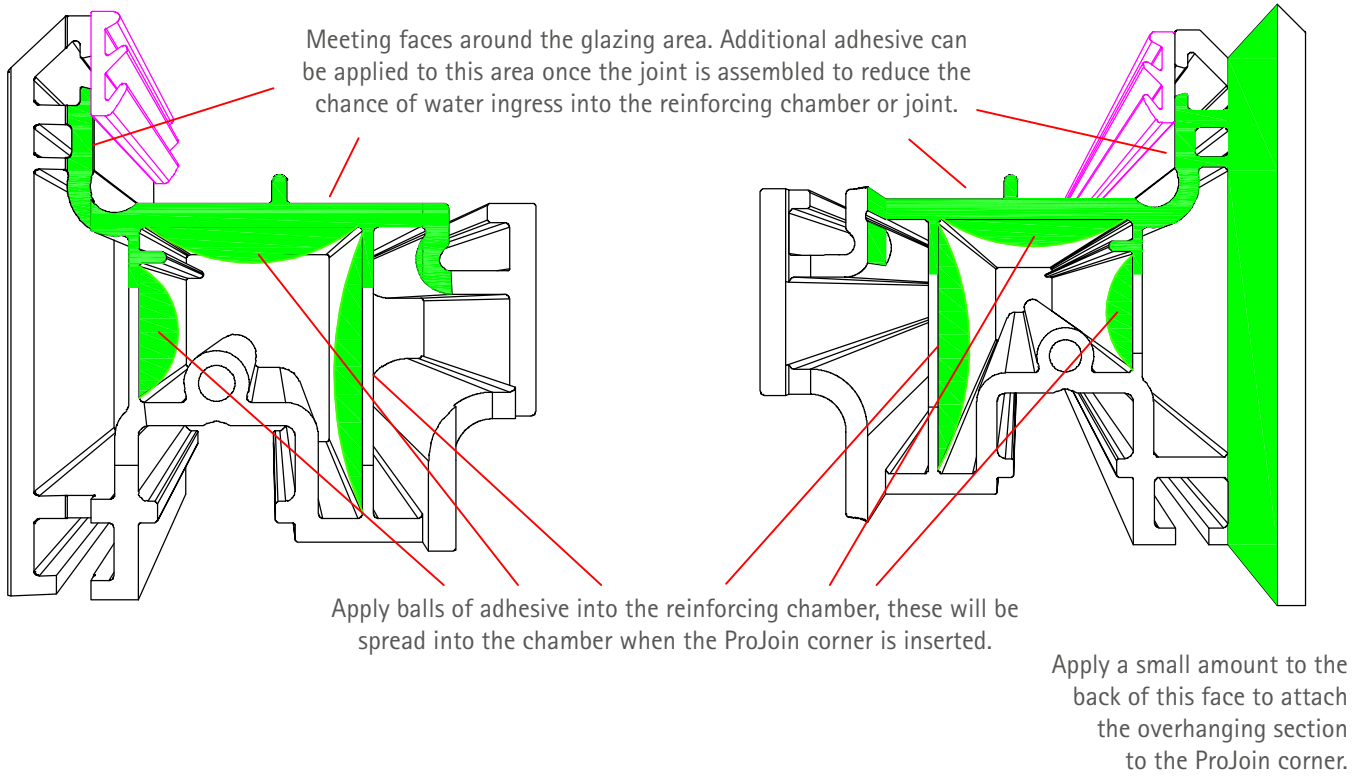


ADHESIVE

Apply The Adhesive

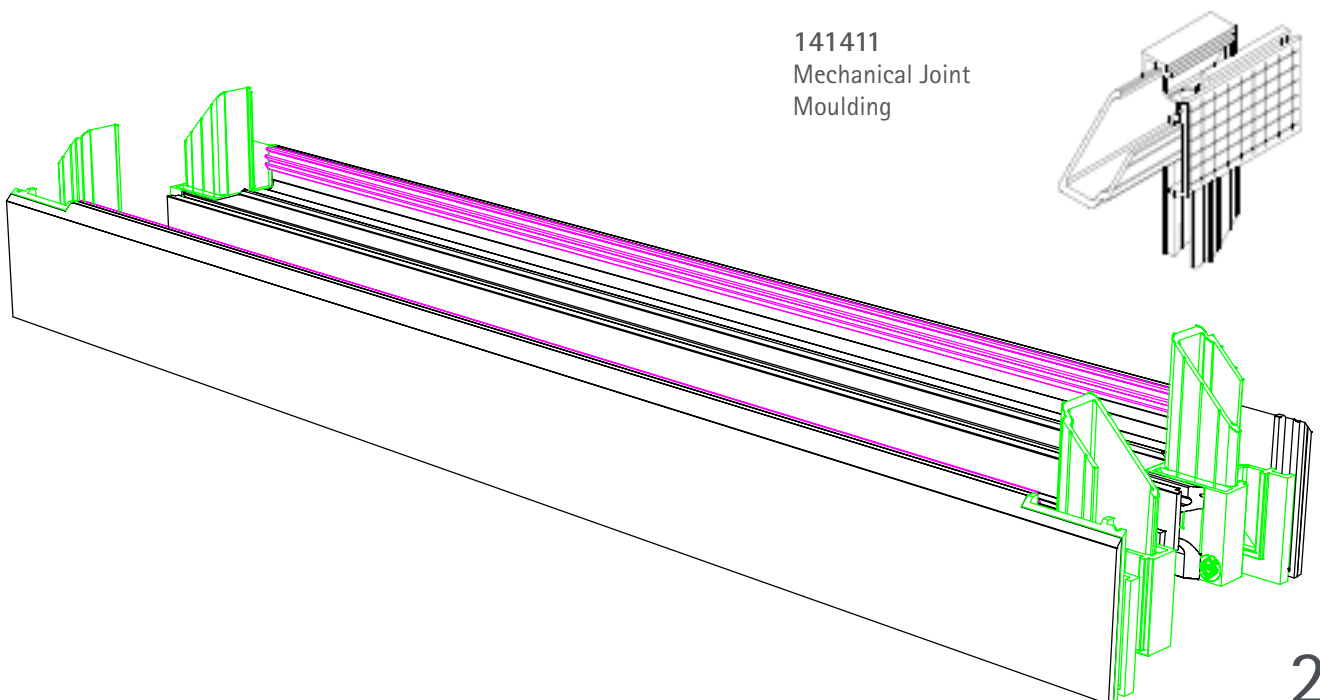
Most production grade adhesives have a relatively short open time once applied, it is important to ensure once the assembly process is started, all the steps are completed immediately.

Peel back the tape slightly to prevent becoming trapped in the joint. Apply the adhesive liberally to the faces illustrated below on all four sections.



Assemble The Sash

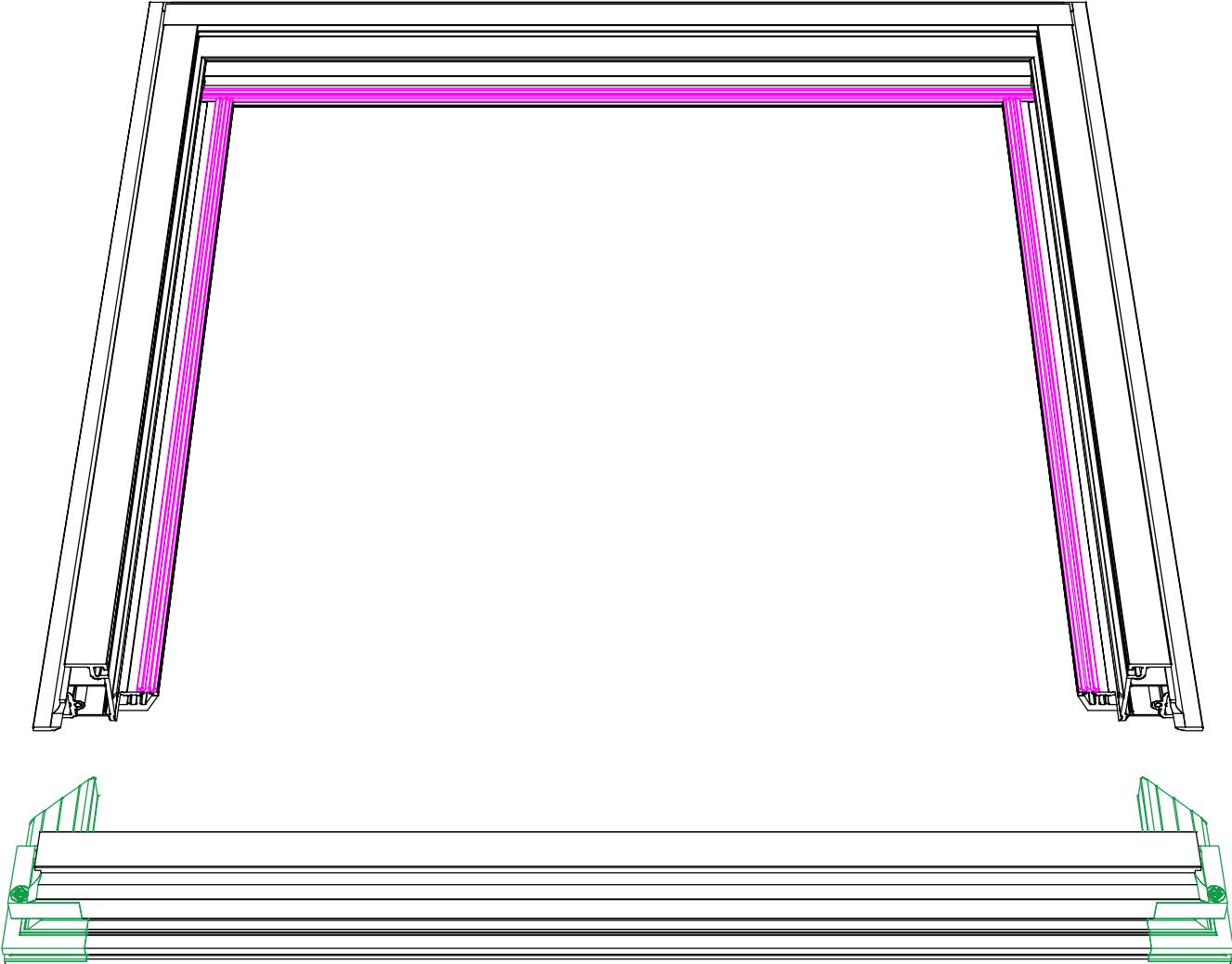
Insert the mechanical joint mouldings into both ends of the vertical jambs.



ASSEMBLY

Assemble The Sash

Attach the top and bottom rails onto one of the vertical jambs. Attach the final vertical jamb.

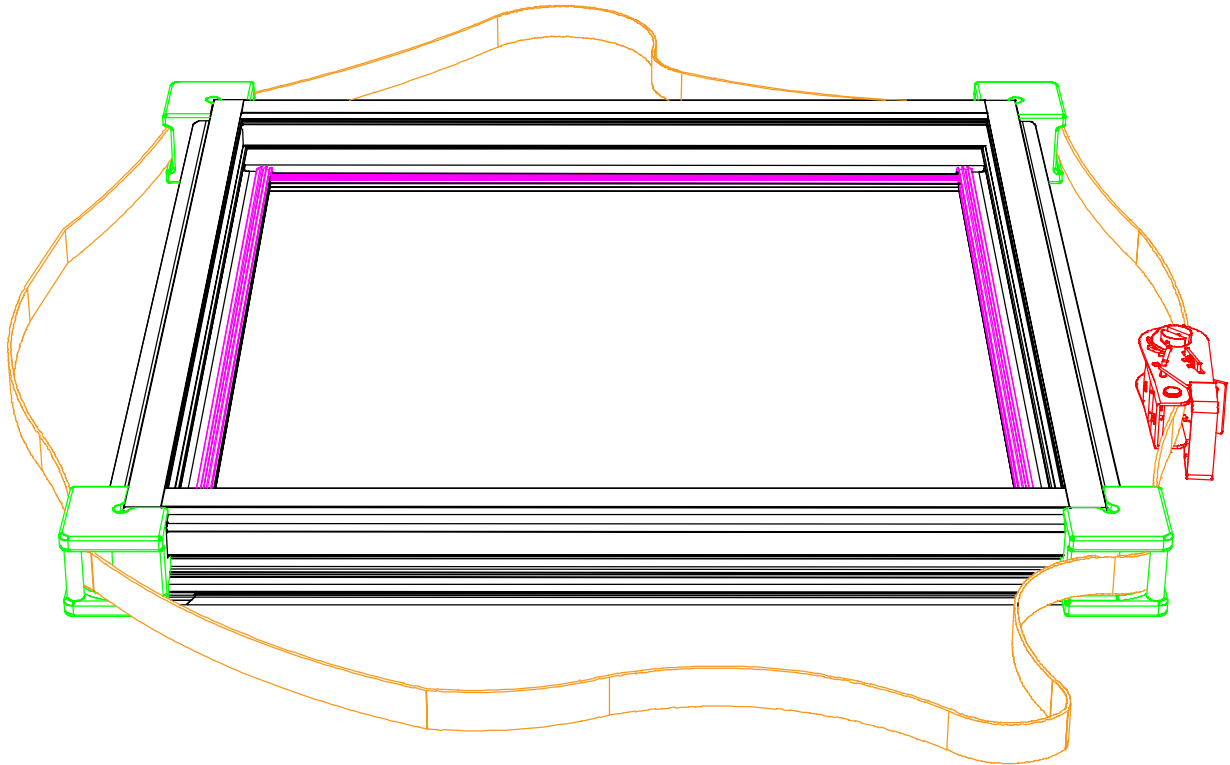


Remove any excess adhesive from the outer faces.

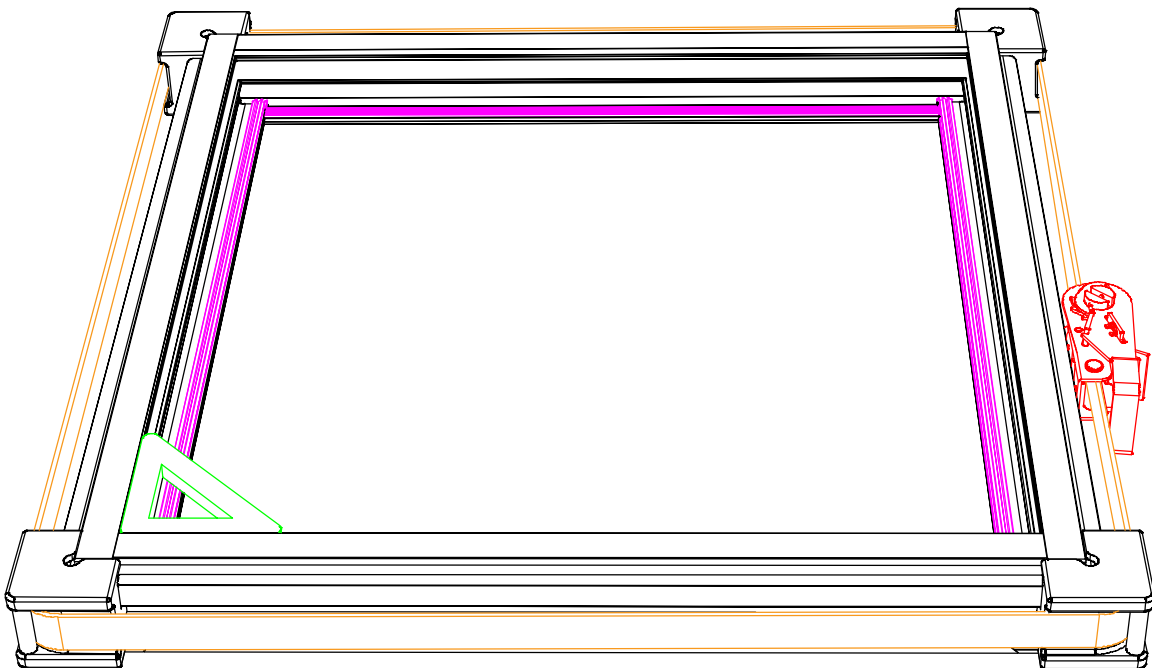
ASSEMBLY

Assemble The Sash

Snap the Corner Support Blocks into position at each corner.



Tighten the ratchet strap to ensure all joints are completely closed. Using a square, check the sash is square and adjust where necessary

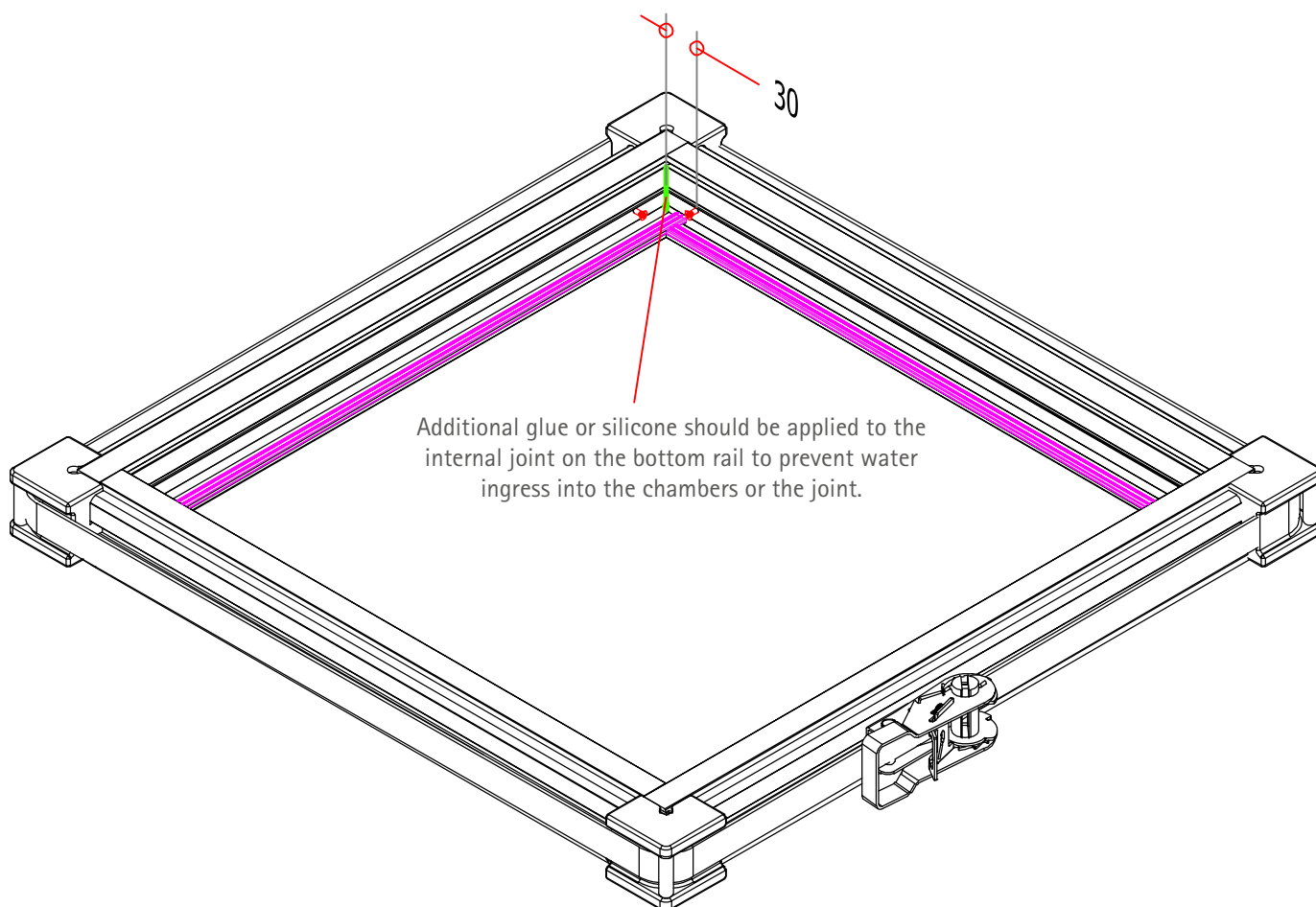


Leave the straps tight on the sash allowing sufficient time for the adhesive to cure as per the manufacturers recommendations.

ASSEMBLY

Assemble The Sash

Additional fixings should be used to secure the joints, use 4.3 x 20mm Gimlet point screws, fixed 30mm from the rebate.



ADHESIVE DETAILS

Manufacturer	Plexus	Plexus	3M Scotch Weld	Advanced Adhesives
Type	MA8110	MA300	DP8405 Green	3290
Work Time (Minutes)	8 - 12	3 - 6	2 - 4	3 - 4
Handle Time (Minutes)	35 - 40	12 - 15	8 - 12	6 - 8
Mechanical Properties (cured) Psi	3100 - 3600	3000 - 4000	2800	TBC
Mechanical Properties (cured) MPa	21.4 - 24.8	20.7 - 27.6	19.3	TBC

VEKA plc
Farrington Road
Rossendale Road Ind. Est.
Burnley, Lancashire
BB11 5DA

Tel: 01282 716611
Fax: 01282 725257
salesenquiry@veka.com
www.veka.co.uk



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Due to the limitations of the printing process we recommend that an accurate colour swatch is requested prior to ordering.
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v04/21 | Company No. 01626563 | VAT No. GB 497951576



NYMNPA

11/03/2024



FlushSash

Including new *Slim Sightline French Window*.



FlushSash

Contents

Pg.3	Introduction	Pg. 8	Thermal performance
Pg. 5	Market info	Pg. 9	Variations colours
Pg. 6-7	FlushSash in numbers	Pg. 10-11	Wall charts



Introduction



The VEKA and Halo FlushSash have been a popular choice with Fabricators for many years, and as the market increase of 88% shows, is increasingly popular with homeowners. To ensure our FlushSash remains at the forefront of the market we are introducing the FlushSash with Slim Sightlines.

The sleek FlushSash with Slim Sightlines offers the next level to homeowners with virtually no sightlines. Our patent pending concealed mullion ensures a slick looking window with all the modern benefits of PVC-u. Slim sightlines are usually found on timber windows making the FlushSash an ideal alternative or replacement to tired looking timber windows.



20% reduction in sightline dimensions increasing the glass area creating more light.

As well as fully welded options FlushSash can be mechanically jointed, ensuring they are virtually indistinguishable from timber windows to homeowners, especially when one of our industry leading Variations woodgrains are chosen.

So you can now offer a modern, traditional window with all the benefits of thermally efficient low maintenance PVC-u.



88%
Market Increase

FlushSash

It's all in *the detail.*



Slim Sightline



Standard Sightline



Market info.



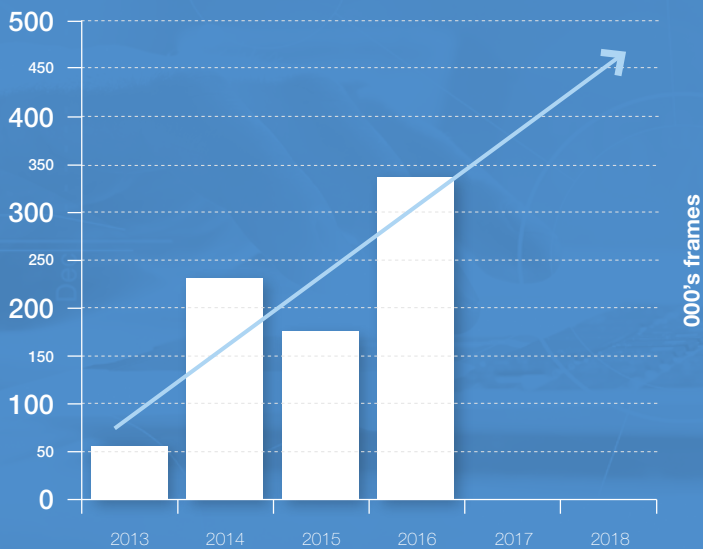
Since sales of Flush casement windows have been identified in their own right, the volume increase of their share of the market has been dramatic.

The 2017 Palmer Market Research report, Window, Door and Conservatory Markets in Housing in Great Britain, recorded an 88% increase in installations to a total of 335,000 frames annually, at the same time doubling the market share of Flush casements to 5%.

All indications based on historic patterns and current sales suggests that rapid rate of growth will continue. Within a market that is flat overall, Flush casements stand out as an attractive segment to service.

Chart

Configurations (Styles) in the window market in housing in Great Britain 2016



Credit: Palmer Market Research 2017

5%

Flush Casement
Market Share

FlushSash

FlushSash boasts impressive figures in terms of thermal performance, security, versatility and environmental credentials.

Here are its vital statistics...

U Value of
1.0

Achieves
PAS 24*

WER Rating
of **A⁽⁺¹⁷⁾₊**



***PAS 24 and Document Q are achieved with the standard FlushSash, NOT with the Slim Sightline Mullion version.**

FlushSash



29
colour options
UP TO 14 FROM STOCK

Triple glazed
ready upto
36mm

Meets the
requirements of
document

Q*





Thermal performance



Please find detailed calculations for FlushSash U-Values and Energy Ratings in the table below.

FlushSash can return an A rated casement window using an intermediate outer frame, and at its top specification can achieve an A+ (+17) rating.

The VEKA Group energy rating calculator

Ask a member of our Technical Team about

The VEKA Group's window and door energy performance calculator – BSI notified and BFRC certified.

The calculator is unique to each fabricator and their products, and allows for the generation of accurate SELs/DSELs in accordance with the BFRC and notified U-Values for CE Marking in accordance with EN 14351.



Product Spec.	Reinforcement	System 10 (70)		Rustique		Matrix FS	
FlushSash Double Glazed Best Rating	Domestic	A(9)	1.4	A+(10)	1.4	A+(10)	1.4
	Insert & Steel	A(9)	1.4	A+(10)	1.4	A+(10)	1.4
	Full Steel	A(6)	1.4	A(7)	1.4	A(6)	1.4
FlushSash Double Glazed Best U-value	Domestic	B(-8)	1.3	B(-7)	1.3	B(-7)	1.3
	Insert & Steel	B(-8)	1.3	B(-8)	1.3	B(-7)	1.3
	Full Steel	C(-11)	1.3	C(-11)	1.3	C(-11)	1.3
FlushSash Triple Glazed Best Rating	Domestic	A+(15)	1.0	A+(17)	1.0	A+(17)	1.0
	Insert & Steel	A+(15)	1.0	A+(16)	1.0	A+(16)	1.1
	Full Steel	A+(12)	1.1	A+(13)	1.1	A+(12)	1.1
FlushSash Triple Glazed Best U-value	Domestic	B(-4)	0.98	B(-3)	0.97	B(-5)	0.99
	Insert & Steel	B(-4)	0.99	B(-4)	0.98	B(-5)	0.99
	Full Steel	B(-7)	1.0	B(-6)	1.0	B(-8)	1.0



FlushSash

Colours



Colour	Sides/Base		Ref	RAL Colour	FlushSash System 10	FlushSash Rustique	FlushSash Matrix FS
Rosewood	2	Brown	Rswd	8015			
Rosewood	1	White	Rswd	8015			
Golden Oak/Chry	2	Caramel	GOak	8001			
Golden Oak/Chry	1	White	GOak	8001			
Irish Oak	1	White	IOak	1011			
Cream	1	White	Crem	9001			
Cream	2	White	Crem	9001			
Beck Brown	1	White	Blick	8022			
White	2	White	White	9010			
Anthracite Grey	1	White	Anth	7016			
Anthracite Grey	2	White	Anth	7016			
Anthracite Grey Smooth	1	White	Anth#	7016			
Silver Grey	2	White	Silv	7001			
Slate Grey	1	White	Site	7015			
Irish Oak	2	Caramel	IOak	1011			
Chartwell Green	1	White	CGrn	-			

Ex-Stock

4 weeks

Lead times refer to deliveries to the Fabricator

MOQ

1 Pack (made to order by agreement)

Colours

The following colours are available as Ex-stock.



The following colours are available to agreed lead times, typically 4 weeks.



FlushSash

VEKA FlushSash Wallchart



112380
End Groove Seal
(Black/White)

712043
Flush Sash Seal

104395
Sims Eightrine Mullion

104495
Sims Eightrine Mullion

104395
French Mullion Adapter

109130
Sims Eightrine Mullion Cover

109131
Sims Eightrine Mullion End Cap

703810 (P10527)
Fixed In Bead
Prepped Stone L: 713228 (B02206)
713227 (B02277)

702533 (P10533)
20mm T. Threshold
Bezel Box: 713147
Steel Box: 713155

109040
French Mullion End Cap
PVC: 109030
Alu: 109103
(White/Brown/Caramel)

707429 (P10429)
24mm Glazing Bead

707431 (P10431)
24mm Glazing Bead

707432 (P10432)
20mm Glazing Bead

707426 (P10426)
35mm Glazing Bead

707437 (P10437)
30mm Glazing Bead

709213 (M00213)
Clip In Packer (White)

709824
Georgian Bar
(P10103)

140177.1
Pull In Wedge
(Frame Part)

140177.2
Pull In Wedge
(Sash Part)

108029
Run Up Bead

109030
Mullion End Cap
109140 End Cap
(White/Brown/Caramel)

744163
(H00163)
Weather Bar Screw
(Nipple Screw)

109103
Matrix FS Flush
Sash Ring Packer

141458
Corner Chests

KEY:

DO NOT SCALE the drawings shown are visual representations only. VEKA PLC has the right to alter the designs, specifications & descriptions without prior notice. The availability of accessories is subject to stock levels and is subject to change without notice.

The VEKA Flush Sash profile and associated parts are designed to function with the Matrix Fully Sculptured profile suite. For outframe manufacturing details please refer to the relevant manual.

Halo FlushSash Wallchart



112380
Bead (Chrome/Alu)
(Black/White)

712043
Flush Sash Bead

712046
(602046)
Pipette Bead

104395
French Mullion
Adapter

104495
Slim Sightline
Mullion

109130
Slim Sightline
Mullion Cover

109131
Slim Sightline
Mullion End Cap

703810 (P10527)
Fixed 18 Bead (300226)
Prepped Stone L 713227 (800227)

702533 (P10533)
20mm T. Threshold
Fixed 18 Bead (300226)
Prepped Stone L 713227 (800227)

109040
French Mullion End Cap
Adapter (White/Brown/Caramel)

707429 (P10429)
24mm Glazing Bead

707431 (P10431)
24mm Glazing Bead

707427 (P10427)
28mm Glazing Bead

707432 (P10432)
28mm Glazing Bead

707426 (P10426)
30mm Glazing Bead

707437 (P10437)
30mm Glazing Bead

709824
(P10103)
Georgian Bar

709213 (M00213)
Clip In Packer (White)

140177.1
Pull In Wedge
(Frame Part)

140177.2
Pull In Wedge
(Sash Part)

108029
Run Up Bead

109030
Weather Bar
101540 End Cap
(White/Brown/Caramel)

744163
(H00163)
Weather Bar Screw
(Nipple Screw)

709109
Flush Sash Hinge
Packer

141458
Corner Chassis

KEY:

- PVC Profile
- Gasket
- Bead
- Aluminium

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The HALO Flush Sash profile and associated parts are designed to function with the HALO System 10 and HALO Rustique profile suites. The materials shown on this page are used in conjunction with either system.

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FlushSash

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