

# ConservatoryLand®

More light. More space. More living.



## Lean-to roof installation guide

Comprehensive instructions for standard lean-to and hipped-lean to roofs

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## Precautions

It is recommended that protective gloves are worn.

We recommend using the following Personal Protective Equipment where required:

Safety glasses and hearing protection when drilling.

Dust mask if dust is likely to be generated.

Under no circumstances should you venture onto the roof panels of a conservatory. If access above a conservatory is required, special precautions in line with current health and safety regulations need to be taken.

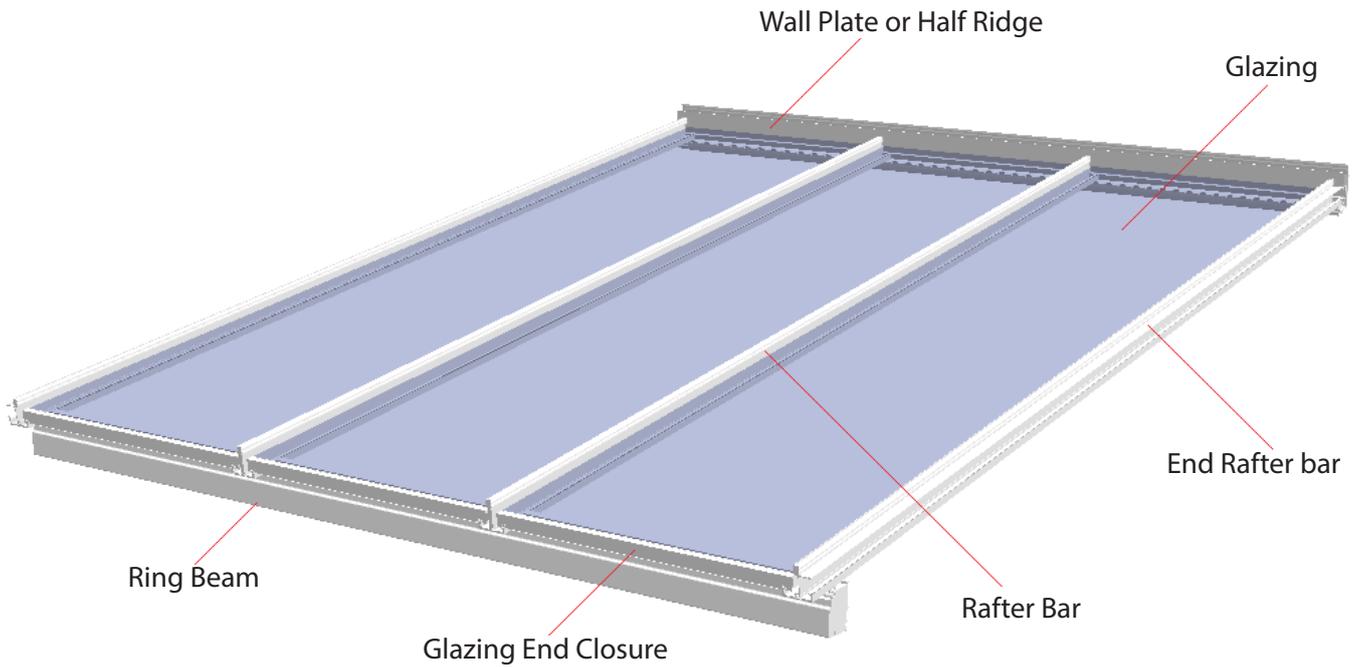
## Recommended materials and accessories

All fixing bolts, screws, glazing packers, brick slip adhesive, brick slip mortar and SMX Roof Glass Silicone is provided. (If the conservatory has self cleaning roof glass we supply a specialised silicone that does not damage the self cleaning coating on the glass units).

	Base	Frames	Roof
<b>Sealants</b>			
Silicone (Clear for sealing between & under wall boxes - colour of choice for required frame finish).	✓	✓	✓
Lead Sealant - (Sand and cement if pointing the lead work).			✓
<b>Building Materials &amp; Accessories.</b>			
Foundation Blocks - 440mm x 215mm x 355mm.	✓		
Post crete - 2 x Bags per pad.	✓		
Code 4 Lead (Size & Length to suit the job)			✓
Rubble bags to remove waste.	✓	✓	✓
Roll of visqueen - To protect the finished floor.	✓		
Timber (Lean To Only) 50mm x 50mm to be used.			✓

Recommended tools and equipment	Base	Frames	Roof
<b>Power Tools</b>			
SDS Drill	✓	✓	✓
Impact Driver or Cordless Drill.	✓	✓	✓
Circular Saw. (For cutting the chipboard flooring).	✓		
4" Angle Grinder. (Mortar cuts for lead work).			✓
Breaker/ Kango. (Only required if you are breaking through concrete for required pads)	✓		
<b>Hand Tools</b>			
Spanner Set.	✓		
Socket Set.	✓		✓
1800mm Spirit Level.	✓	✓	✓
600mm Spirit Level.	✓	✓	✓
Hand Saw. (To cut insulation sheets - long craft knives can also be used).	✓		
Marker Pen. (To mark out the insulation cuts).	✓		
Tape Measure.	✓	✓	✓
Glazing Mallet.		✓	
Glazing Paddle.		✓	
Silicone Gun.	✓	✓	✓
Sharp putty knife or similar. (For removing frame glazing beads).		✓	
Lead Beater.			✓
Small trowel and pointing tool. (For pointing brick slips).	✓		
Spade.	✓		
Wheelbarrow.	✓		
Pick. (If you need to break up any difficult terrain).	✓		
G-Clamps. (To secure frames / ring beams / corner posts etc. when fixing.)		✓	✓
<b>Accessories</b>			
8mm SDS Drill Bit. (For securing base sections to the house wall).	✓		
6.5mm SDS Drill Bit. (For securing wall boxes / windows / wall plates to the house wall).	✓	✓	✓
4mm HSS Drill bits. (For securing wall boxes and flooring - Multiple required).	✓		
T30 Torx Bits. (For direct to brick fixings).	✓	✓	✓
Pozi Drive Bits.	✓	✓	✓
53mm hole cutter. (For downpipe spigot drill & fix adaptor.			✓
PVA Glue. (Gorilla Glue or similar for floor joints).	✓		
Solvent Cleaner. (NOT to be used on foiled frames or any self cleaning glass).		✓	✓
Glass Cleaner & Paper Tissue Roll.		✓	✓
Super Glue & Activator.		✓	✓

# Lean-To Roof overview



# Instruction drawings required

Exterior profile colour	White
Roof glazing	Blue Self Cleaning Solar Control
Glazing area	6.72m2
Glazing area	6.72m2
Frames colour	White
Fan light glazing	Toughened Safety Glass
Window glazing	Toughened Safety Glass
Lower panel glazing	28mm Flat Panel
Window system	ConservatoryLand 70 Ver 1.2
Frame depth	70mm
Wall type	Brick
Brick type	Rustic Red Charcoal Multi 685
Mortar type	Charcoal
Skirt type	Brick
Top of frame to U/S ridge	437mm
Top of frame to top of ridge	628mm (Excl Crest)
Roof slope	7.0°

1. All dimensions relating to perimeter are to internal face of supporting frame in line of that building unless otherwise stated.  
 2. Internal and light dimensions relating to perimeter are to external face.  
 3. The support structure for this roof must provide the necessary internal and external stability in accordance with the relevant British Standards. Customers to request details to length from your frame supplier.

Please check the specifications and dimensions shown herewith with care and confirm your acceptance by signing here  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 (If you are unsure of any detail regarding herewith please query with NLS Conservatory roof department, Tel 7777 77777 Fax 7777 77777)

<p>ConservatoryLand                  Old Mill Lane Ind Est                  Mansfield Woodhouse                  Nottinghamshire                  NG80 952 8000                  sales@conservatoryland.com</p>	<p>Quote Number                  Order Number                  Customer Reference                  Draughts Person                  Process Date                  Site Post Code                  Customer Name</p>
---	---

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Your roof layout plan shows component positions, along with the wall plate height in the top right corner as shown in the red box above.

Along with your roof layout plan you will also have been emailed a roof glazing plan as part of your instructions, as shown in the example on the right.

Your roof glass or polycarbonate will show the corresponding 'RG' number as shown in the layout plan.

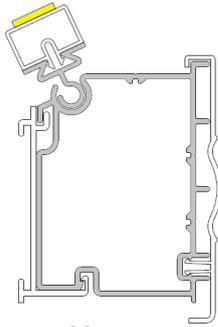
All roof components including your box of ancillary, gutter & fixings will have blue tape on them.

<p>ConservatoryLand                  Old Mill Lane Ind Est                  Mansfield Woodhouse                  Nottinghamshire                  NG80 952 8000                  sales@conservatoryland.com</p>	<p>Quote Number                  Order Number                  Customer Reference                  Draughts Person                  Process Date                  Site Post Code                  Customer Name</p>
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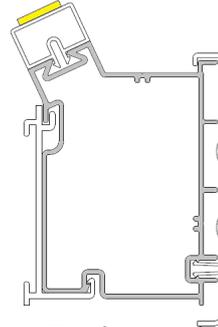
## Fixing the Ring Beam



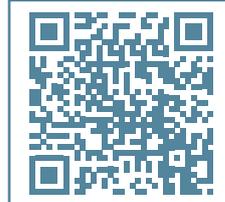
Using your roof layout plan, identify the Ring Beam which is the first component to be fitted. Ring Beam and wall plate components are usually labelled with a 'BM' number.



Variable Ring Beam



Fixed 25° pitch Ring Beam



Click or scan

The above images are cross section drawings of Ring Beams. Depending on the pitch & design of your roof, the Ring Beam will be either a fixed 25° Ring Beam (above right), or a variable Ring Beam (above left). Each are fixed in place in the same way. Most lean-to conservatories use the variable Ring Beam.



Before fixing the Ring Beam in place run a bead of silicone along the back edge of the ring beam. (You can test fit the Ring Beam to check its position first if required).



70mm self-drilling screw

Fixings are found in the bag marked with **blue** tape.

Position the Ring Beam in place, with the aluminium lip at the back of the Ring Beam fitting up to the inside of the frames (You may need to trim this lip if sat on a cill). The Ring Beam should finish level with the edge of the corner posts. If sat on a high wall with a cill on top, the Ring Beam should be sat 70mm over the inside corner of the cill. Do not remove the yellow protective tape at this stage.



We recommend clamping your Ring Beam and frames before fixing the Ring Beam



Using the 70mm self drilling fixings, fix up through the frame into the Ring Beam. Use 2 per frame or 2 per door sash

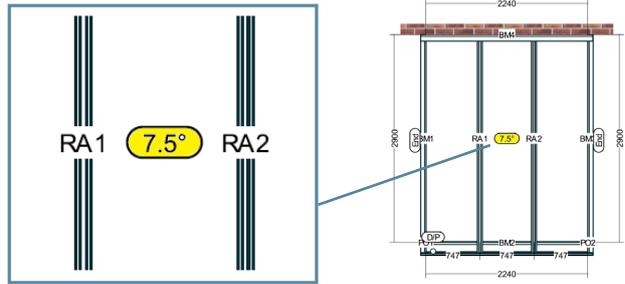


If you have opening windows, make sure the windows are open before fixing up into the Ring Beam

## Identifying your Wall Plate

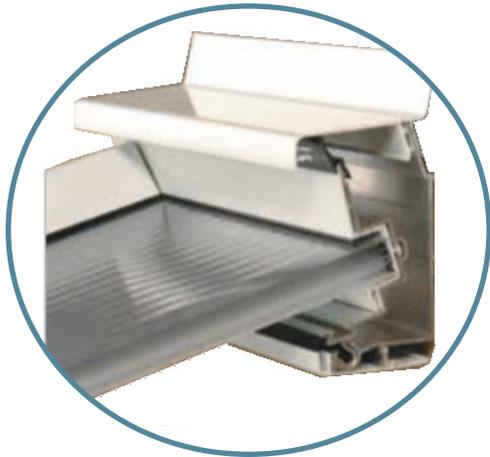
There are three different Wall Plates depending on the pitch and design of your roof, these are shown below. Wall Plates are labelled as a 'BM' number on your roof plan. Identify yours from the cross section drawings shown.

The roof pitch can be found on your roof plan as shown in the example on the right.



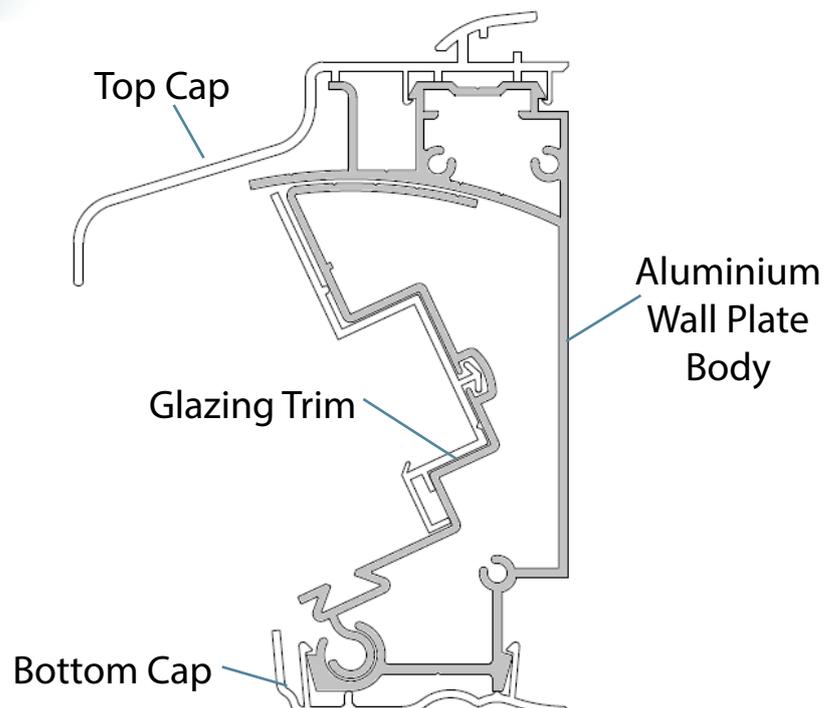
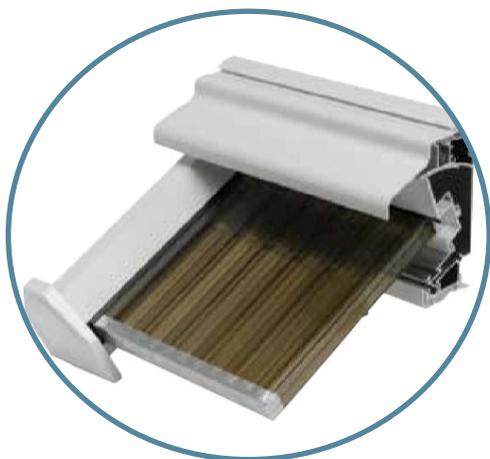
## Standard Wall Plate

2.5° - 15° pitches



## Half ridge Wall Plate

15° - 45° pitches

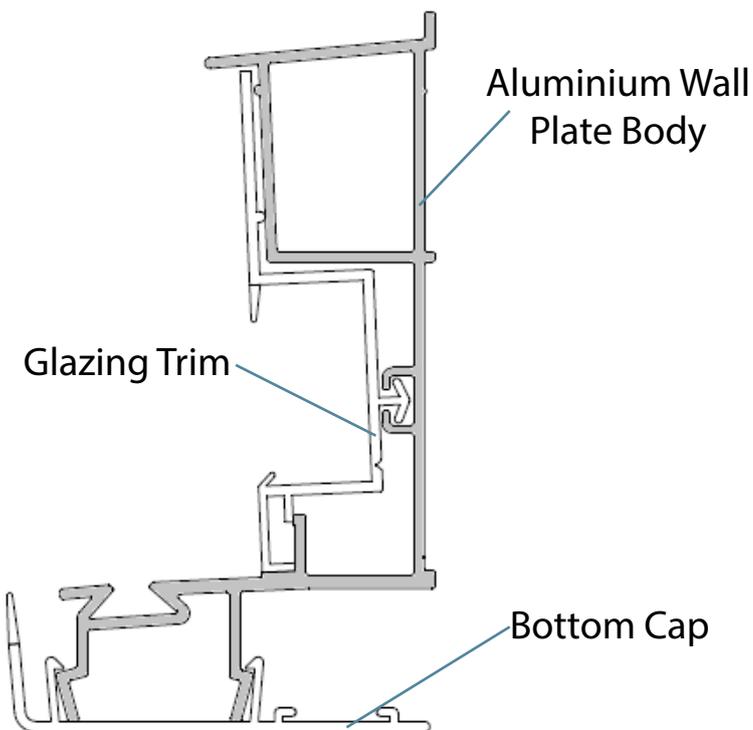
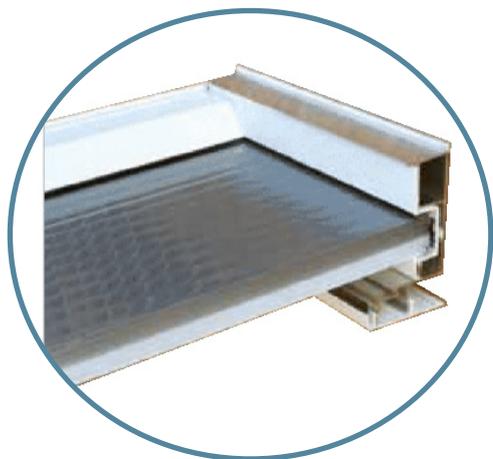


## Identifying your Wall Plate - Continued

### Low Line Wall Plate

2.5° - 5° pitches

PLEASE NOTE: This Wall Plate has no top cap



Fixings required for all Wall Plate types



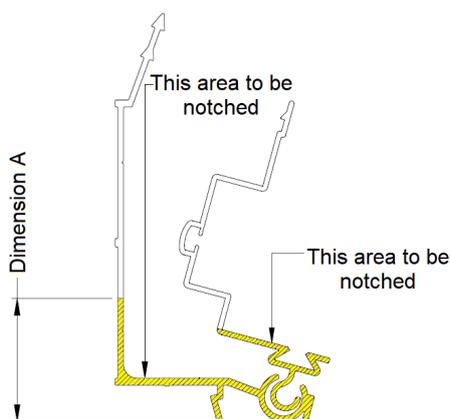
100mm direct to brick fixings

Fixings are found in the bag marked with **blue** tape.

## Positioning the Wall Plate (Glazed Perlins)

If you have timber & clad Perlins rather than glazed frames you can move straight onto the next step. If you have glazed frames for your Perlins you will need to notch the Wall Plate to sit around the glazed Perlins. The images below show how to determine the size of the notch required along with some example photos of a notched Wall Plate.

ROOF PITCH	DIMENSION A (mm)
15°	45
14°	43
13°	42
12°	41
11°	40
10°	39
9°	38
8°	36
7°	35
6°	34
5°	33
4°	32
3°	31
2.5°	30



With Perlin frames, the rafter sits on, and is fixed to the frame below instead of bolting to the wall plate. Fit the Perlin frame prior to the Wall Plate. The Wall Plate and rafters sit on the frames which will determine the correct height of the roof.



## Positioning the Wall Plate (Timber & clad Perlins)

Start by laying the Wall Plate on top of the frames against the house wall. Next fit the rafters into position on the Ring Beam as shown in the image on the right. Do not fully tighten the nuts at this stage. Undo the nuts on the Wall Plate and keep these safe.



Now lift the Wall Plate to allow the rafters to fit to it, loosely tighten the bolts. The variable support that the rafters fix to will pivot forward to allow you to get the Wall Plate to the correct height. See your roof plan for this dimension. To find this dimension, please see the example roof plan on page 4 of this instruction.



## Fixing the Wall Plate (Timber & clad Perlins & glazed Perlins)

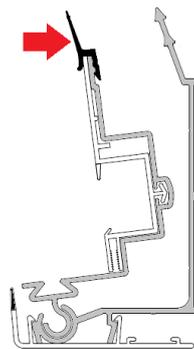


Ensure the Wall Plate is level both vertically and horizontally before drilling through the whole Wall Plate with a 6mm pilot hole, then fix in place using the 100mm direct to brick fixings. Add the remaining rafters and fully tighten all the bolts on the rafters.



## Fitting the lean to seal and Wall Plate top cap (standard Wall Plate only)

The lean to Wall Plate can have flashing added prior to installing the glazing. It is much easier to install it at this stage whilst you have good access to the wall plate.



Before adding the flashing, install the lean to seal and top cap.

The lean to seal fits to the top of the variable support (the aluminium piece that the rafters are bolted to).

See example cross section drawing to the left. It is important this is fitted before the lean to top cap. This is shaped to the aluminium variable

support and needs to be pushed on firmly working from one side to the other. If the lean to seal feels a bit loose, add a couple of drops of super glue inside the lean to seal at each end to keep it in place.

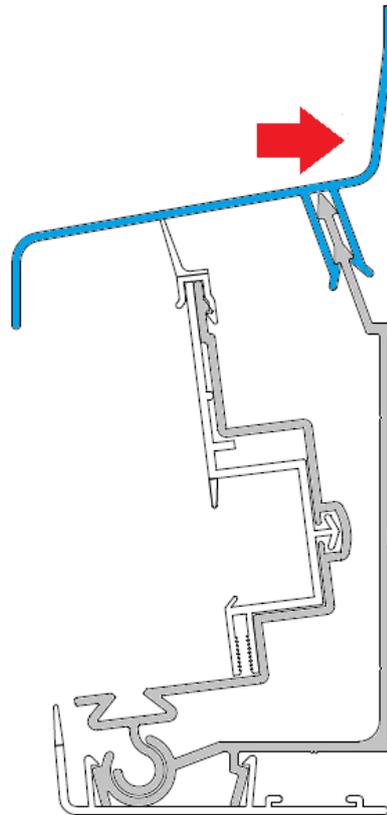
## Fitting the lean to seal and Wall Plate Top Cap (standard Wall Plate only)



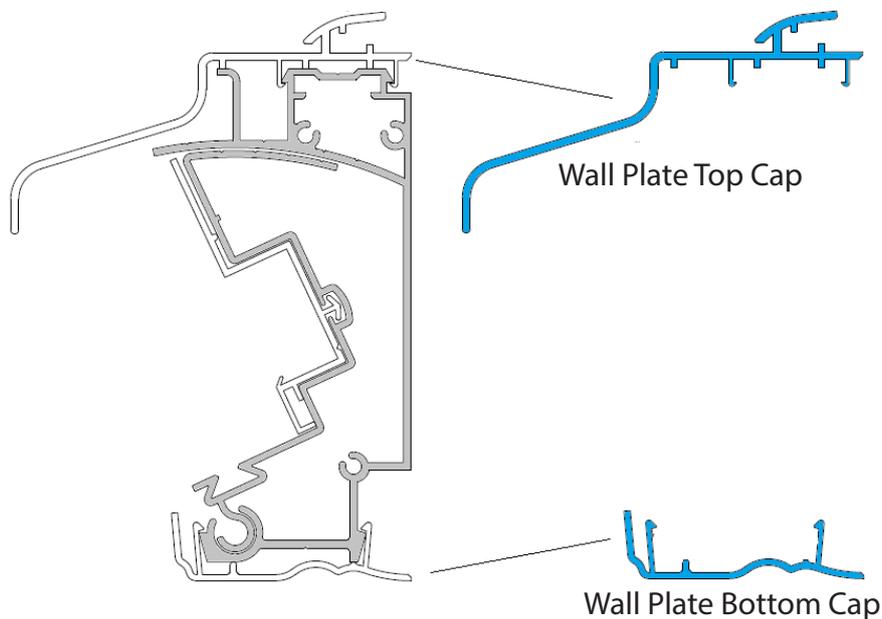
To fit the Top Cap, Simply locate the top of the aluminium Wall Plate inside the two clips you will see under the Top Cap.

Push this firmly down onto the Wall Plate and knock securely into place using a nylon hammer.

The cross section to the right shows the Top Cap correctly in position.



## Fitting the Wall Plate Top Cap (Half Ridge Wall Plate only)



To fit the Top Cap for the Half Ridge Wall Plate, Knock down firmly using a rubber mallet. There are two clips on the underside of the Top Cap which should firmly grip the aluminium Wall Plate.

The Wall Plate Bottom Cap can also be fitted at this stage. Please see images to the right. With the Top Cap in place you can now move onto flashing the Wall Plate.

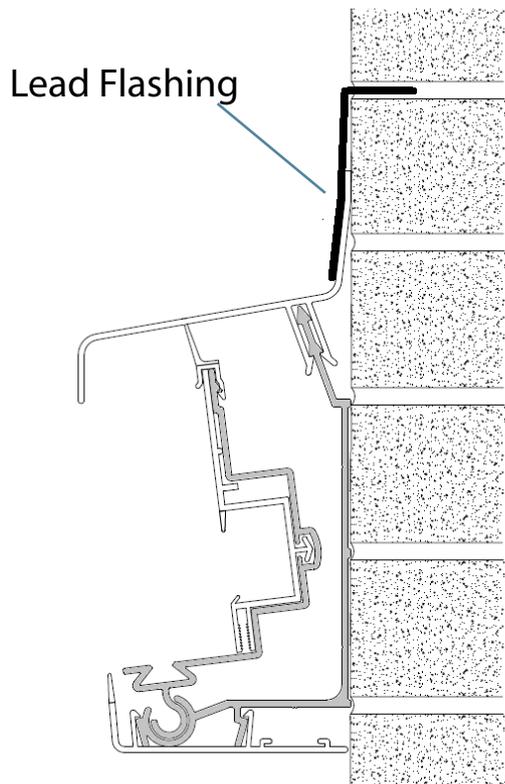
## Installing the lead flashing

The diagrams below show the position of the lead flashing for each Wall Plate type. Please see an example on the next page of a standard Wall Plate flashing being installed.

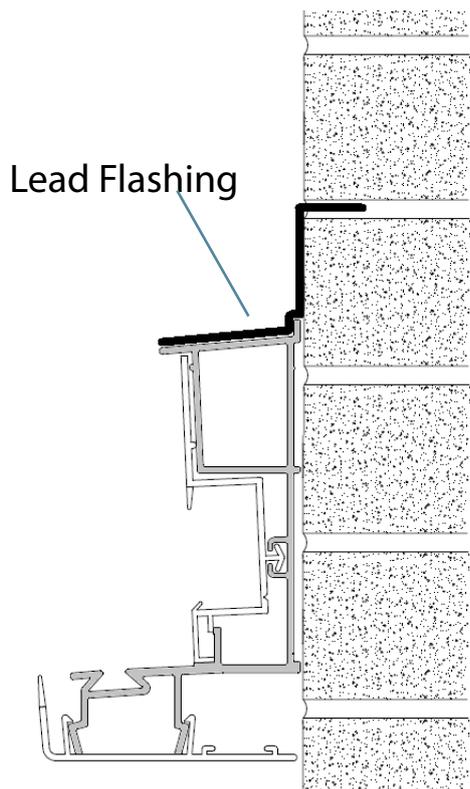
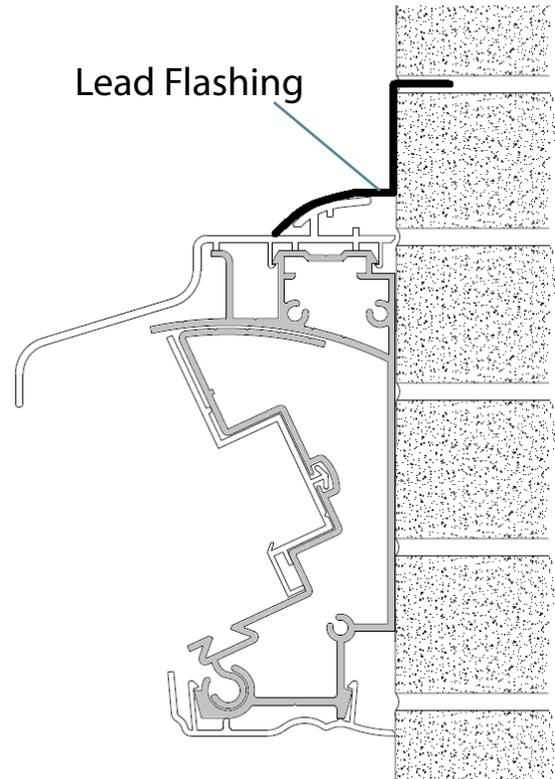


Click or scan

### Standard Wall Plate



### Half ridge Wall Plate



### Low Line Wall Plate

There is no PVC Top Cap for the Low Line Wall Plate.

The flashing is installed directly onto the aluminium Wall Plate in the position shown in the cross section drawing on the left.

## Lead flashing example (standard Lean-to Wall Plate)

We recommend using **code 4** lead for all scenarios  
Please note: a single length of flashing should not exceed 1500mm in width  
Any overlap cover flashing should overlap by a minimum of 100mm



Start by measuring the height of the lead flashing required.

Remember to account for the amount of flashing needed to cover the section of top cap, or the wall plate if your roof has a low pitch Wall Plate.

Also take into account the amount that will sit in the mortar line (minimum of 25mm). Flashing should be installed into a mortar line where possible.



Next, using an angle grinder, grind out the mortar line ready to install the lead flashing



Next, run a bead of silicone along the top of the Wall Plate, or if your conservatory has a Low Line Wall Plate, silicone seal between the top of the aluminium Wall Plate and the property wall.



Now fit the lead into the ground out mortar line, and down over the top cap, or the aluminium Wall Plate depending on the type of Wall Plate you have. Refer to the image on the previous page.



To firmly hold the flashing in place prior to sealing, it is good practice to use flashing clips (also known as hall clips). These are readily available from most DIY stores, builders merchants, or your local Eurocell branch. These push into the chase line in the mortar and are easily installed. Nylon flashing clips are also available at DIY stores.

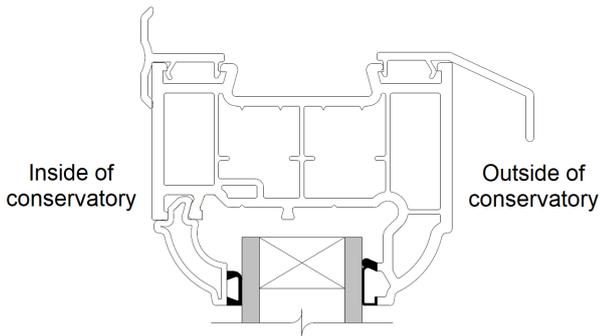
Finish fitting your lead flashing, in lengths no wider than 1500mm, with a minimum overlap of 100mm where required.

Overlap the Wall Plate by a minimum of 100mm each end as shown in the photo to the right.

Once you have installed all the required flashing, seal the flashing to the brickwork using a lead flashing sealant.

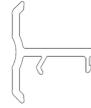


# Timber & Clad Perlin

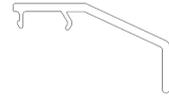


Cross section of conservatory window frame

PVC butt joint  
(part code: LAN103)



Head drip  
(part code: LAN104)



Part 1



Click or scan

Part 2



Click or scan



Before starting to construct your timber frame, you will need to fit the PVC Butt Joint and Head Drip to the top of the window / door frames. The PVC Butt Joints fits to the inside of the frame, and the Head Drip to the outer edge of the frames.

If you have any high walls with cills on, Butt Joint and Head Drip are not required. The timber & cladding will sit directly on top of the cills in these instances.



Start by constructing your timber frame. Use 50mm wide timber. The timber should be central to the rafter leaving a 10mm gap each side for the PVC Hollow Clad. You can secure the timber in place by fixing down through the end roof rafters, and up through the conservatory frames.



## Timber & Clad Perlins (continued)



Hollow Cladding



You will need the supplied Hollow Clad to finish off the Perlins. Offer up a length to the timber frame and carefully mark the top and bottom points that need cutting. The side cladding for the end rafters will cover the cuts at the top, but try and mark and cut the cladding as neatly as possible.



Draw a straight line between the points you have marked to give the cutting line for the first piece of cladding. Using a saw, cut the cladding to size. Offer this up and secure in place using a couple of the poly top pins supplied. Repeat this until you have completed both outside sections of the cladding.

If you intend adding insulation to the timber frame it can be done at this point (not supplied)

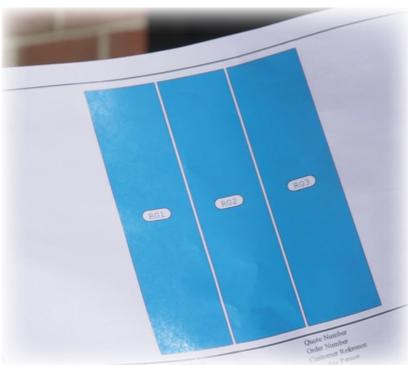


Starter Trim



Complete the inner sections of cladding in the same way, but for the top exposed edge, cover this with the supplied Starter Trim as shown in the images on the left. This will require cutting to size, and you will need a sharp putty knife or similar to help when fitting the trim. Your Perlins are now complete.

## Roof Glazing - End Closures



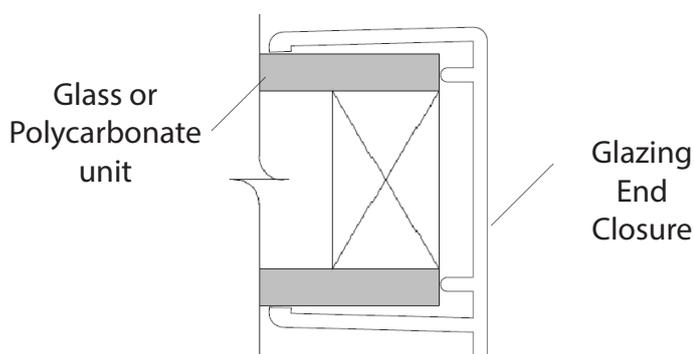
Before you start glazing, you will need to refer to your Roof Glazing Plan, which will have been sent as part of your instructions.

Each glazing panel will be labelled with an 'RG' number in the instruction, which will correspond with the sticker on each of the glazing units. Please note: on a Lean-to roof, not all glazing panels are the same width and need to be installed in the correct order.

Glazing unit stickers will also be labelled telling you which side should face to the inside or outside.

**PLEASE NOTE:** The side of any glass unit with the sticker attached always face the inside of the roof.

Before installation, each glazing panel should be fitted with a Glazing End Closure, for both polycarbonate and glass roofs. Each are fitted in a slightly different way, please see the instruction below.



If your glazing is polycarbonate remember to **remove the protective film** before fitting the End Closure

### Glazing End Closures - **glass units**



For self cleaning glass units only a specialised SMX sealant can be used. Run a bead of sealant along the top of the glass unit.

Then position the end closure onto the end of the glass unit.

### Glazing End Closures - **Polycarbonate**



**The breather tape at the end of the sheet must not be covered or blocked in anyway.**

Run a continuous bead of low modulus silicone to the top of the polycarbonate sheet, then position the glazing end closure onto the end of the polycarbonate sheet.

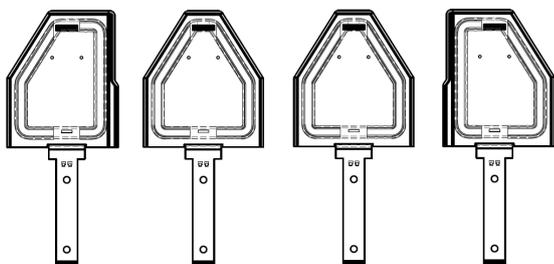
## Roof Glazing - Continued



Slide the glazing panel on to the Rafters and into the Wall Plate glazing trim (remember to remove the protective film if your glazing is polycarbonate).



Pull back a small amount of the yellow protective tape back and fold it over. Do not remove it all at this stage.

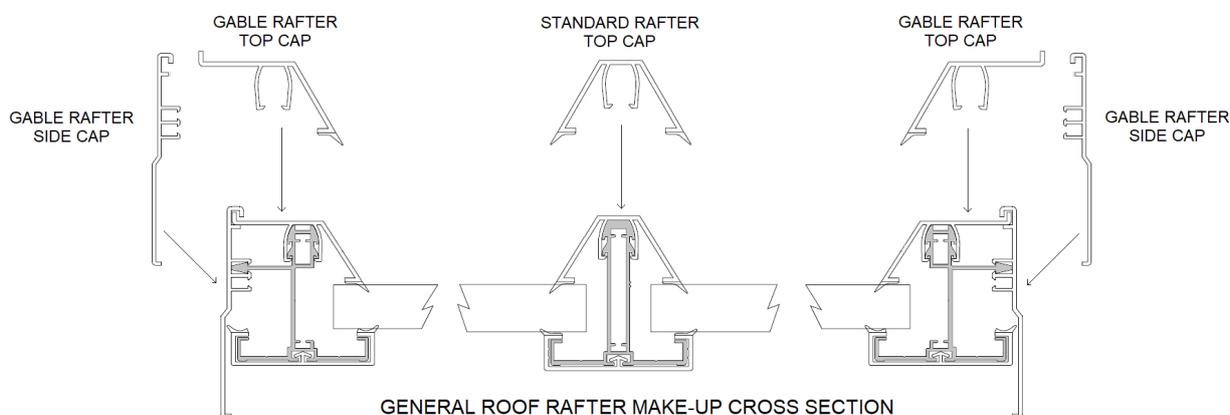


Glazing End Stop



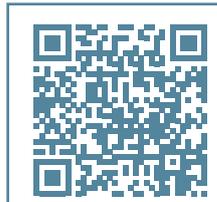
Fit a Rafter End Cap and Glazing Stop to the Rafter. For the End Rafters, you will notice the end caps are a different shape. The flat edge of the end cap sits to the outside on each side of the conservatory. Pull the glazing sheet back until it sits against the glazing end stops. Once in position peel away the yellow protective tape and gently pat the glazing down onto the Ring Beam seal adhesive tape.

## Roof Glazing - Top & side caps



Above shows a general assembly cross-section for most Lean-to Top & Side Caps. Your standard Rafter may be replaced with a heavy duty version depending on the size and spec of your conservatory.

## Roof Glazing - Top & side caps - Continued



Click or scan

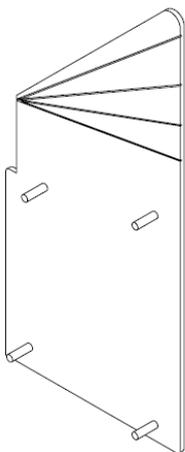
As you glaze, you can install the Rafter Top Caps. Use a rubber mallet to firmly knock these down on to the aluminium Rafters. You can also install the End Rafter Side Caps at this stage if you wish.



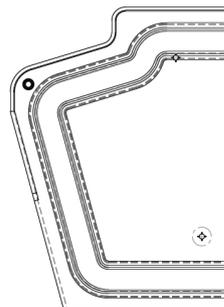
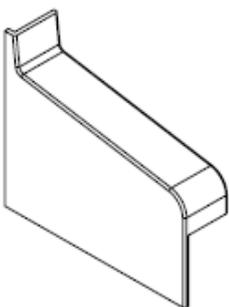
You must seal the Rafter Top Cap to the Wall Plate as shown above.



Rafter End Caps can now also be fully fitted. Simply fold the end cap up and locate it onto the hook just above the Glazing Stop until they click into place.



The Ring Beam End Cap will need to be trimmed to suit the pitch of your roof. Some standard pitches are marked on the inside for you as a guide. Glue / seal this to the end of the Ring Beam.

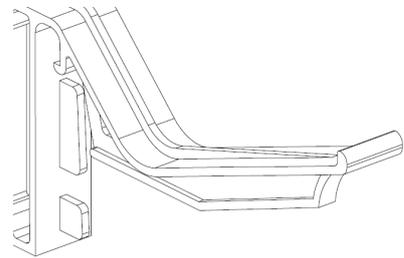


Glue / seal the Wall Plate end caps in place. Above left is an end cap for a standard Lean to Wall Plate, with an end cap for a Half Ridge Wall Plate shown above right. Please note, a Low Line Wall Plate is covered by the End Rafter Side Cap.

# Guttering & Downpipe

Example 1	Example 2
	
Click or scan QR codes	

## Gutter Brackets



To fit the Gutter Brackets, twist into the Ring Beam external trim as shown above. These should be no more than 200mm from each corner, and a maximum of 600mm centres.

## Gutter Stop Ends



To fit the Stop Ends there is no need to remove the clips on the Stop End. Clip one end of the Gutter into the Stop End and then push the other end up to the stop under the clip. You will need to use some force to do this.

## Guttering

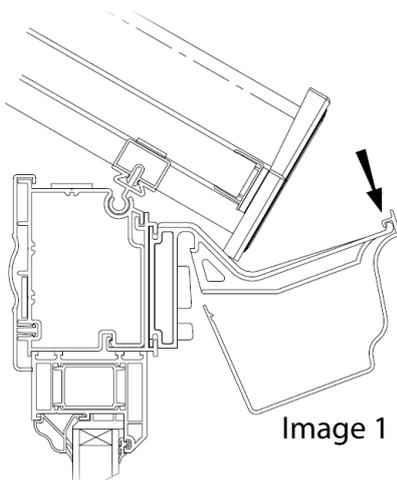


Image 1

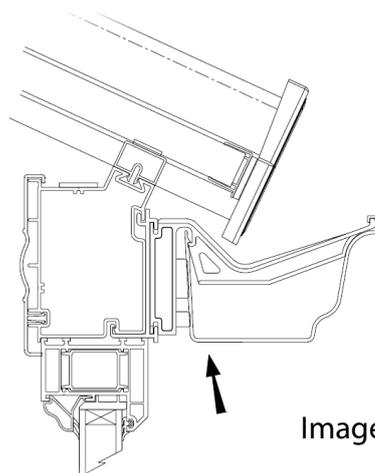


Image 2

To fit the Gutter, clip the front part of the Gutter Bracket into the Gutter section (image 1)

Then rotate the rear section of the Gutter up and clip into position. (Image 2).

## Universal Gutter Downpipe Adaptor (Spigot)

### Tool required



52mm diameter drill / hole saw



Universal Gutter Downpipe Gutter Adaptor (Spigot)

To install the Downpipe you need to first fit the Universal Gutter Downpipe Adaptor also known as a Spigot. We use this rather than a running outlet to give greater flexibility on the Downpipe position. The Downpipe position will have been discussed with the Technical team to avoid positioning the Downpipe in front of an opening window for example.



To fit the Spigot, first determine where the Universal Downpipe Adaptor is to go, and then drill a 53mm diameter hole in the Gutter using a hole saw.



Unscrew the two parts of the Gutter Adaptor and fit into the hole you have drilled, before screwing back together.

To fit the Universal Gutter Downpipe Adaptor to the Gutter that sits on a cill, you will also notch a section of the cill underneath the hole you are drilling for the adaptor. This will need to be at least 70mm wide to allow the Downpipe to pass through the cill. Please see images on the right.



## Fitting the downpipe

Parts shown on the right are used when assembling the Downpipe. (Black Downpipe parts shown for illustration purposes only, Not supplied). Depending on the style of your conservatory you may need some or all of these parts.



Downpipe



112° Offset Bend



Downpipe Bracket



Downpipe Shoe

## Fitting the Downpipe - Continued

There are a number of different ways to install the Downpipe, each depending on the style of your conservatory and the Downpipe position and requirements. Your Downpipe will be supplied oversized, and will need to be cut to size. You may require the offset if you are using the supplied 112° offset bends. This instruction shows two different Downpipe installations.



Measure the length of Downpipe required and cut to size. Take into account the Shoe, that fits to the bottom of the pipe, and any Offset Bends if you are using them.



If you are running the Downpipe straight down from the Gutter, fit the Shoe to the bottom of the pipe, then fit the downpipe to the Universal Downpipe Adaptor (Spigot).



Fit the Downpipe Brackets to the wall or corner post for example, and the Downpipe installation is complete for this down pipe configuration.



If the Downpipe is to be positioned away from the Gutter you may need to use the 112° Offset Bends and your offcut of Downpipe as shown in the example above.



If you are attaching the Downpipe to your property wall you will need to pre drill any fixings that you choose to use, before fixing the Downpipe Brackets.



Fix the Downpipe Brackets to the wall. Four Downpipe Brackets are supplied with each Downpipe to use where required. Remember to fit the Shoe to the bottom of the pipe.

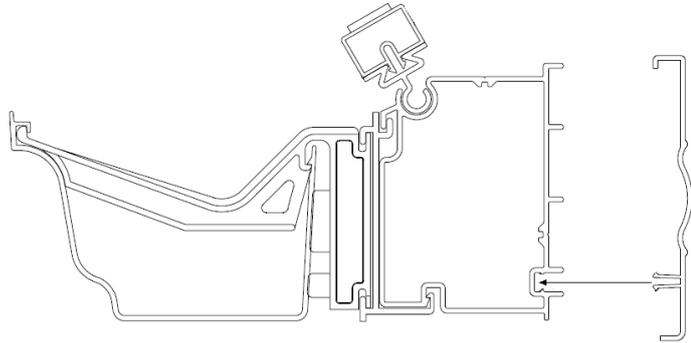
The images on the right show how a Downpipe or Offset Bend fits to the Universal Gutter Downpipe Adaptor / Spigot.

Each conservatory Downpipe position and requirements are unique, but should be achievable with the parts supplied.



## Internal trims

### Ring Beam Internal Trims



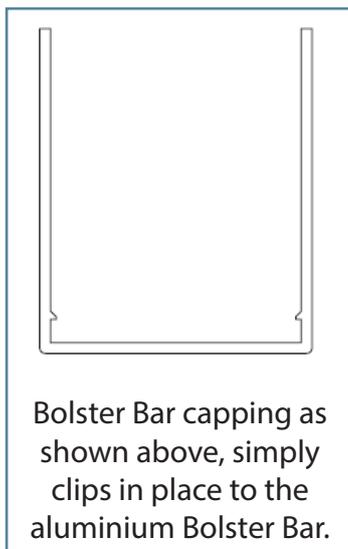
To fit the Internal Ring Beam Trim you will notice two clips on the inside of the trim shown in the image above, that clip into the inside of the aluminium Ring Beam, the top of the trim also clips over the top of the aluminium Ring Beam, and can be simply push fit into place



Most Lean-to conservatories only have a Ring Beam across the front. Ring Beam corner trims are only applicable to Hipped Lean-to's or Lean to's with a Ring Beam on the side.

If applicable these are simply super glued and pushed firmly in place in each corner until set.

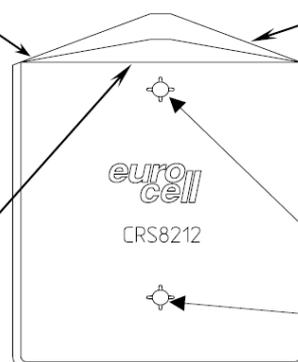
### Bolster bar internal trims (If applicable)



Cut moulding to inner line for Victorian Hip.

Moulded outer angle suits Edwardian Hip.

Cut moulding to the bottom line for Standard Rafter.



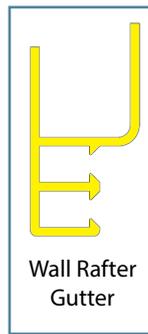
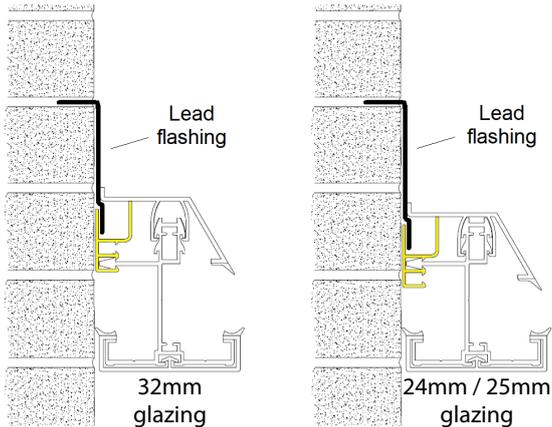
End Cap.

Apply adhesive to these points.

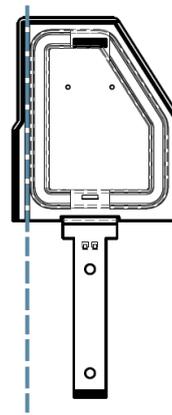
Bolster Bar End Caps are pre-moulded to suit an Edwardian Hip Bar (for example, square ended Hipped Lean-to). In this instance, no trimming is required. If a Victorian Hip Bar, or standard roof rafter bar is bolstered on your conservatory, you will need to trim to suit. On the inside of the end cap there are pre-moulded lines to use as a cutting guide. Please refer to the image above.

Once trimmed (if required), super glue into place, on the adhesive points also shown in the image above.

## Additional information - Flashing a 2 sided & Hipped Lean-to

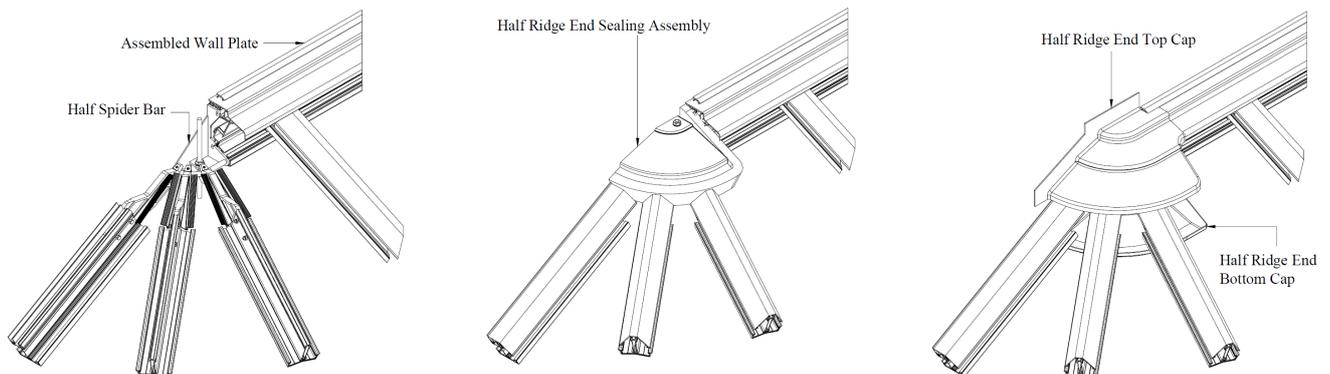


For instances where a Lean-to is fitting to two walls, you will need to flash the Rafter that meets the side wall, along with the main Wall Plate. You will need to fit the Wall Rafter Gutter to the rafter bar that sits against the wall. Please note there are two positions it can be installed, depending on the glazing, see image above. When you fit the lead flashing, the flashing sits into the Wall Rafter Gutter, rather than over the top of the Rafter Top Cap as shown in the images on the right, and above right. This allows water to run down to the Gutter on the front, and gives a neater overall finish.



**PLEASE NOTE:**  
Any rafter end caps that fit against a property wall may need trimming as the example shown.

## Additional information - Hipped Lean-to



The Wall Plate is secured to the wall in the same way as a standard Half Ridge Lean-to (please see page 7). To fit the Wall Rafters, and the Hip Bars, loosen the grub screws on the moulding on the end of the bars, and fit these to the Radius |End(s), the steel rings on the end(s) of the Wall Plate.

Align the centre line of the bar with the centre line of the Spider Bracket stud hole. Once the bar is aligned, tighten the grub screw. Wall Rafters should be secured to the house using the 100mm direct to brick fixings at 500mm centres.

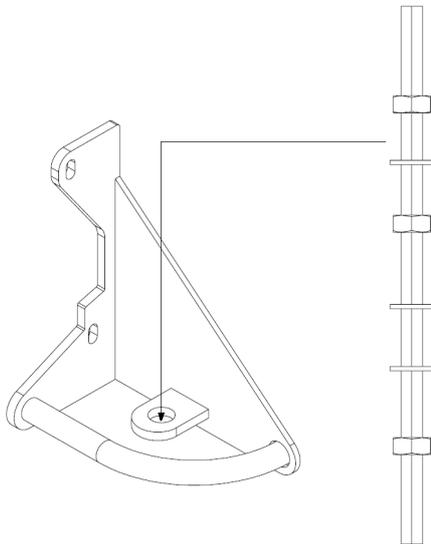


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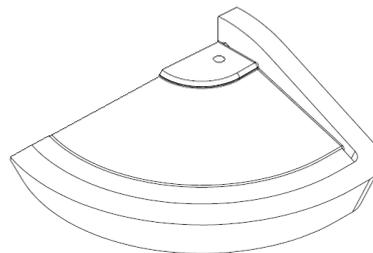
## Additional information - Hipped Lean-to continued

### Threaded Nylon Bar & Foam Bungs

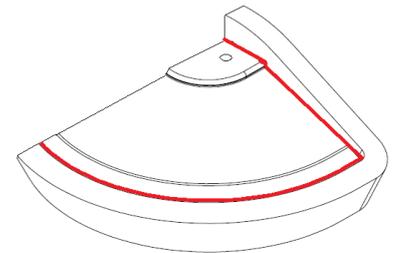
Flash the Wall Rafter Gutter as per the instruction on the previous page. Flashing for the Wall Plate can be fitted, but do not complete the flashing yet, this needs to be completed after the glazing and Radius End top caps have been fitted.



First, fit the Nylon Threaded Bar through the hole in the Radius End Spider Bracket



Foam Bung



Sealing detail

Next prep the Foam Bungs that fit onto the Nylon Threaded Bar over the Spider Bars. Silicone seal the foam outer to the inner moulding, as per the image shown above.

Do not fit these yet, these can be fit once you have installed the glazing around the Hip Bar(s).

### Wall plate and radius end top cap prep

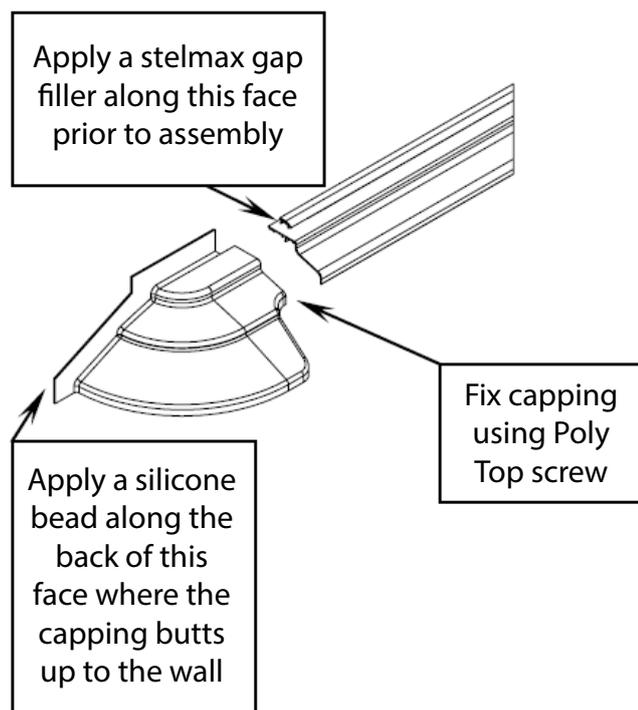
Next prep the Half Ridge top cap and Radius End(s).

Apply a Stelmax gap filler to the area that the Radius End Top Cap will fit, then slide the Radius End Top Cap into position and fix in place with the supplied poly top screws.

Seal the edge of the Radius End Top Cap that meets the Wall Plate Top Cap.

Once the glazing is complete and you are ready to fit the assembled top cap in place, apply a mastic / silicone seal to the area that will butt up to the wall.

Next it is time to glaze your roof, please refer to the earlier instruction.

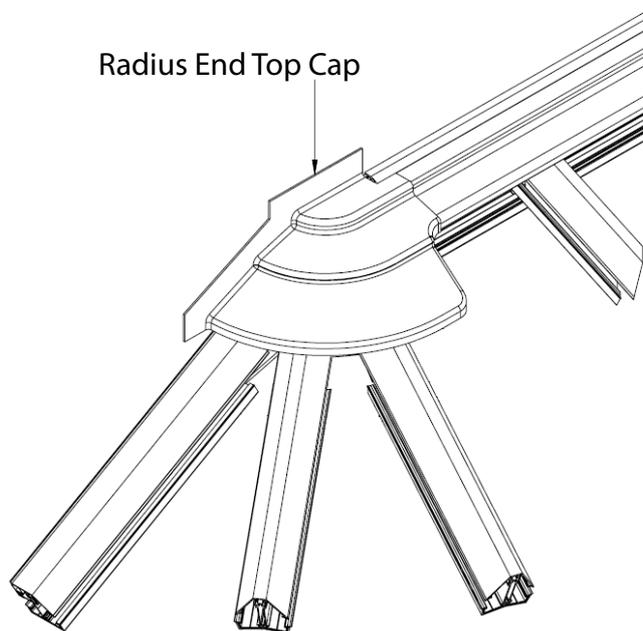


## Additional information - Hipped Lean-to continued

Glaze your roof as per page 12 onwards. Glaze around the Hip Bar area first, leaving the glazing around the centre until last. This will allow you to fit the Foam Bungs, top caps and flashing before finishing the glazing.

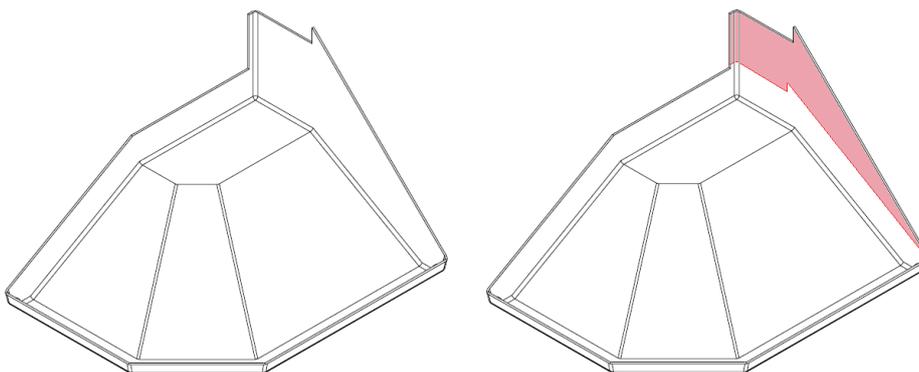


Fit the Foam Bung(s) over the top of the threaded bar and tighten the bolt in place at the top of the threaded bar as shown in the photo on the left. Once the Radius End Bottom Cap is in place, and the bolt on the underside tightened, it will pull the foam bung down tight to the glazing.



Next fit the assembled Top Cap and Radius Ends. Before you position the top cap in place apply a mastic / silicone seal to the areas of the Half Ridge End top cap that will butt up to the property wall. Secure the wall plate in position and complete the lead flashing,

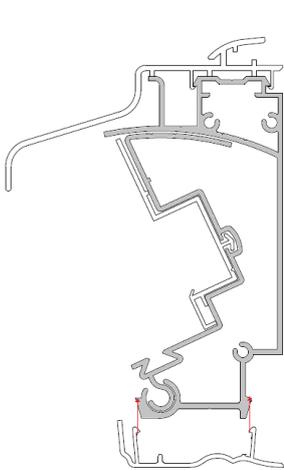
## Radius end bottom cap prep



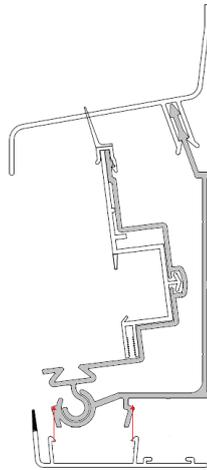
Before fitting the Radius End Bottom Cap, you may need to trim it to suit the pitch of your roof. The drawings on the left show an example of the area of the Bottom Cap that may require trimming, shown in the pale red colour.

## Additional information - Hipped Lean-to internal trims

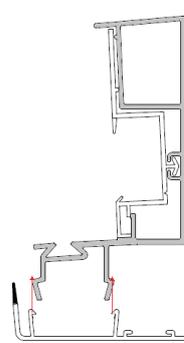
Fit the Ring Beam Internal Trims as per page 20 of this instruction guide if you have not already done so.



Half Ridge  
Wall Plate



Standard  
Wall Plate



Low Line  
Wall Plate

Also fit the Wall Plate Bottom Cap if you haven't done so yet.

The type of bottom cap supplied will depend on the size and style of your conservatory. Each of the wall plates and bottom caps are shown on the left.

The bottom cap is simply clipped on, or knocked on with a rubber mallet, the arrows in the images show where you should locate the clips of the PVC bottom cap onto the main aluminium Wall Plate.



Once the Radius End bottom cap has been prepped (if required) secure it to the Nylon Threaded Bar, and add the decorative M10 boss to complete the internal finish. Simply screw in place.

The decorative Boss is shown in the image on the right, and in place over the bottom cap in the photo on the left.



M10 Decorative  
Boss

There are a host of useful videos on our YouTube channel. These are being regularly updated with new material to help with your conservatory installation.

Please click on the link the right hand side to take you to our latest installation guide videos.

For any further help please either call 01623 488 888 (option 4) or email [support@conservatoryland.com](mailto:support@conservatoryland.com)



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