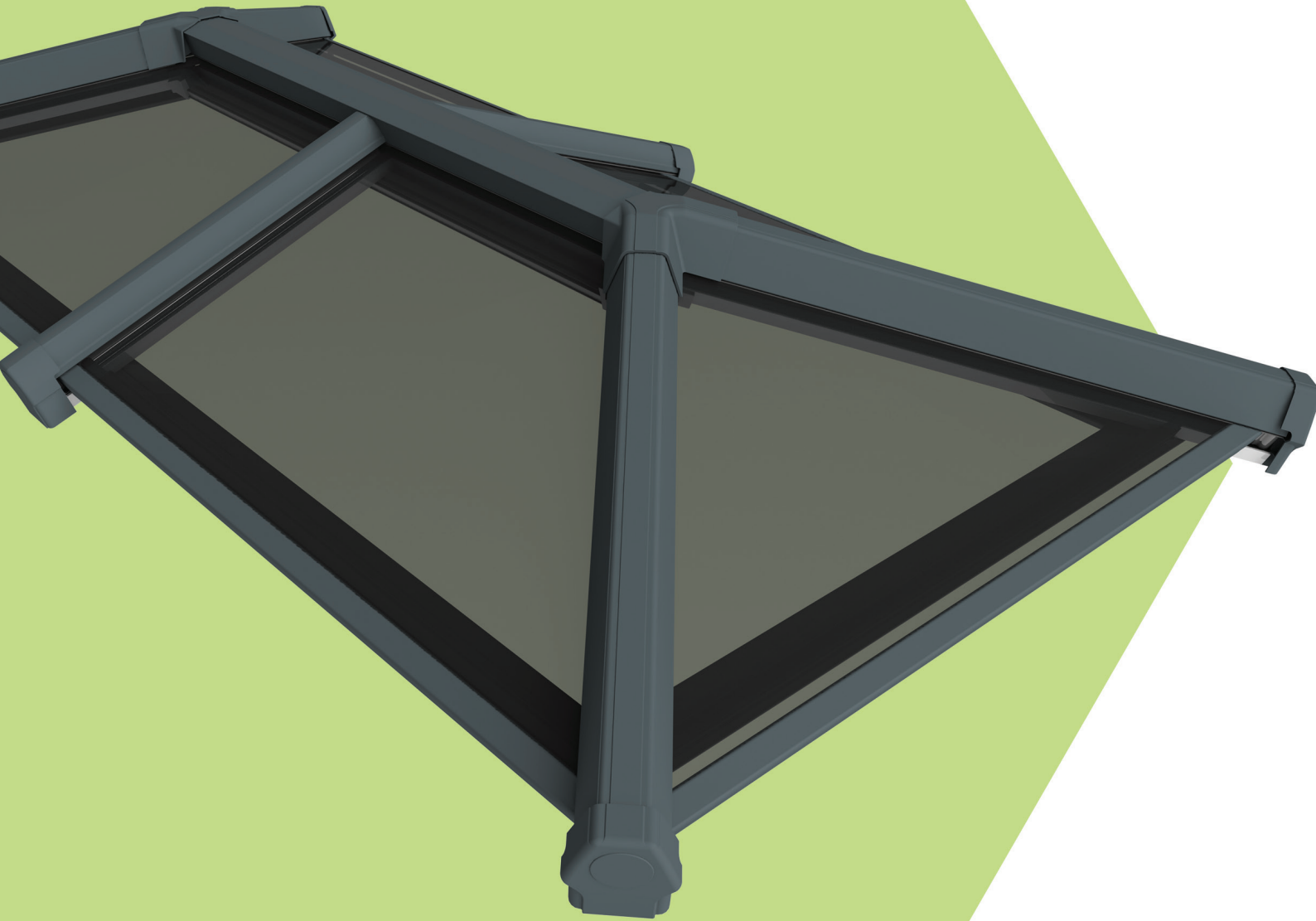


Classiclantern<sup>™</sup>  
by Ultraframe



V1 | December 2019

CLASSIC 20° LANTERN  
INSTALLATION GUIDE

**Thank you for choosing the Classic system.**

**This guide is designed to make fitting as straightforward as possible.**

Before you commence installation of the roof, please take a moment to read these two introductory pages before reading the rest of this guide.

Ultraframe is rightly proud of its Classic roof. Over 1½ million Classic roofs have been successfully installed over a 30 year period. We have continued to invest to improve the features that the homeowner will appreciate and that should make your life easier. Any feedback - positive or negative - is welcomed so we can make our systems even better.

**Please contact the Tech Support Team on  
01200 452918 or email [techsupport@ultraframe.co.uk](mailto:techsupport@ultraframe.co.uk)**

## TOOLS REQUIRED



10mm Socket Spanner



Deadblow Hammer or White Rubber Mallet



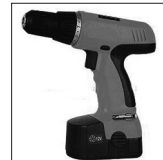
No. 2 Pozidrive Bit



Spirit Level



Tape Measure



Drill/Screwdriver



Long nose pliers



Sealant Gun



Drill bit appropriate for eaves fixing.

Eaves to kerb fixings, not supplied.

## GENERAL POINTS

Care should be taken when handling components that are seen by the homeowner, as surfaces may be scratched if not handled with care. Choose a suitable area for unpacking the components and always check them before fitting. Any claims for missing or damaged parts are only accepted in line with our standard terms and conditions of sale.

## HEALTH & SAFETY

Site safety is paramount. The Construction (Design & Management) Regulations 2015 apply to the whole construction process, on all construction projects from concept through to completion. Compliance is required to ensure construction projects are carried out in a way that secures health and safety. The installation company shall be responsible for the safety of all of the fitting team, the customer and members of the public.

The Surveyor should have carried out a risk assessment to reduce risk on site and this should have been discussed with you prior to starting.

Please use safe working platforms and ladders that comply with BS EN 131. Always use equipment in line with manufacturers recommendations. Personal Protective Equipment – such as goggles, mask and ear defenders – should be used when, for example, grinding out for the flashing.

Careful consideration should be given to the safe disposal of all packaging – our packaging is predominantly made from recycled materials and can be readily recycled.

## PRODUCT

The roof kit is supplied with a location plan, a quality control check list for the box and this installation guide. The location plan is used to match individual components to their respective position on the roof. Our numbering convention always starts at the top left.

The majority of aluminium and PVCu components contain identification codes, usually by inkjetting or labelling – should you need to re-order a part this should help. Please ask for a copy of our Classic lantern wallchart to keep in the van, which will give you further assistance with future identification.

## SEALING

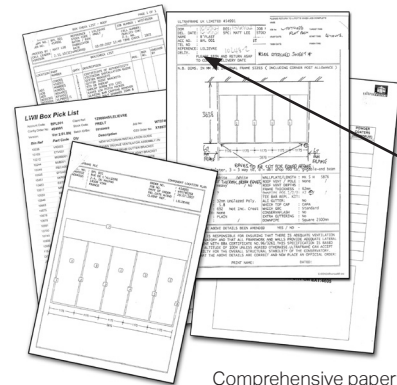
It is important to use the correct sealant when sealing the roof. For roofs glazed with Conservaglass or other true 'self cleaning' glass, then MS Polymer sealant such as Rotabond 2000 must be used.

## SEALED UNITS

All protective handling tape must be removed prior to installation. For the correct selection of sealant please see above.

## THE SUPERSTRUCTURE

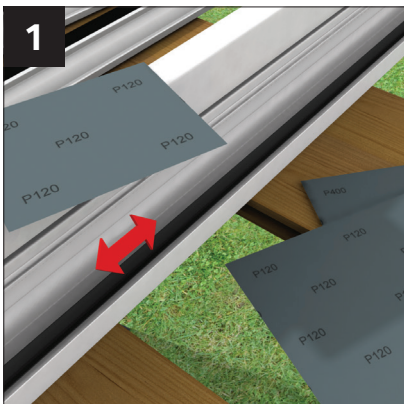
Check the kerb for being level and square all round. Before starting to install the roof, please check the condition of the kerb and whether it's plumb – depending upon what you find, these conditions can seriously affect the final integrity of the roof.



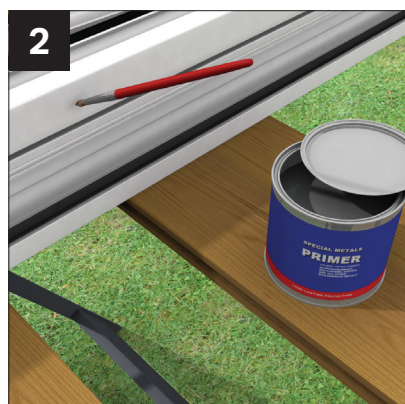
Numbering convention starts here, eg 1, 2, 3, A, B, C

Comprehensive paperwork accompanies each roof

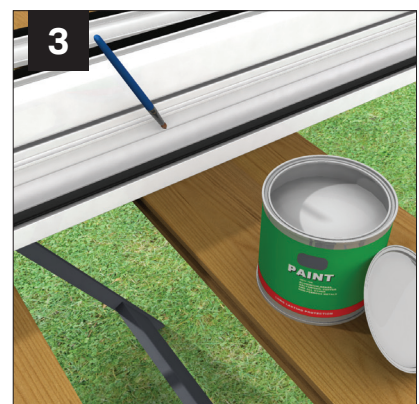
## CLEANING AND MAINTENANCE - ALUMINIUM EXTERNAL



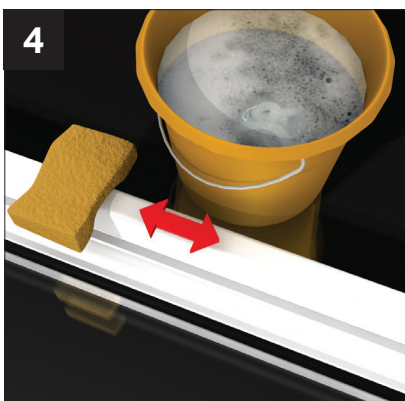
1 If surface damage is encountered, use 120-360 grit paper to prepare the surface. Wipe clean with white spirit.



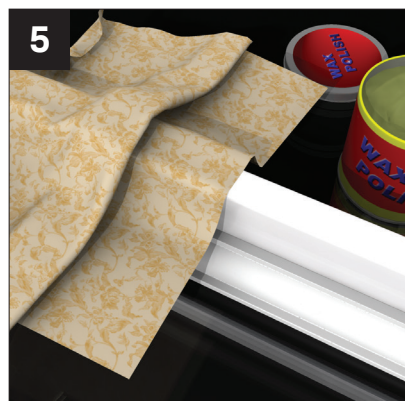
2 Ensure the surface is dry – apply a thin primer coat using a fine brush.



3 Finally, apply an air drying top coat with a fine brush.

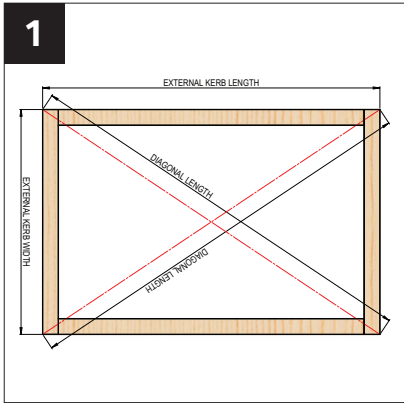


4 General cleaning can be undertaken by a wash with warm soapy water.

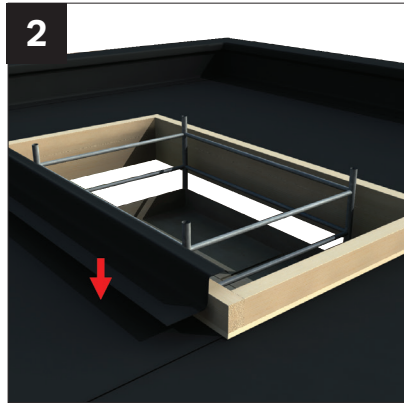


5 For added protection, a wax polish can be applied up to twice per year – follow the polish manufacturer's instructions carefully.

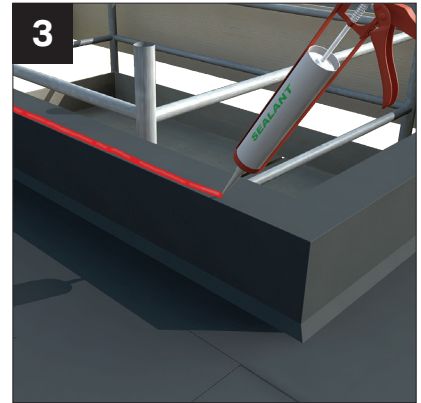
# GENERAL INSTALLATION



1 Construct the up-stand to the flat roof with minimum of 150mm tall kerb (minimum of 70mm wide). Check that kerb is square by measuring diagonals. Apply membrane as per manufacturers guidelines.



2 Wrap the membrane up the kerb and lap over the top of the kerb ensuring that a watertight finish is achieved.

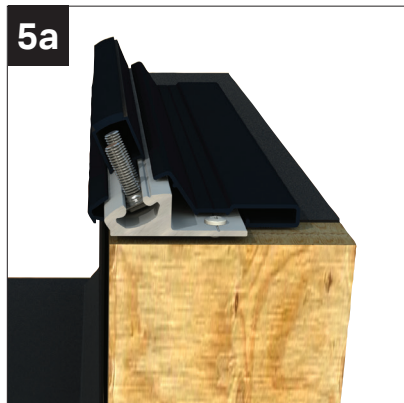


3 Apply a generous, continuous bead of silicone to the outer perimeter of the top surface of the kerb.

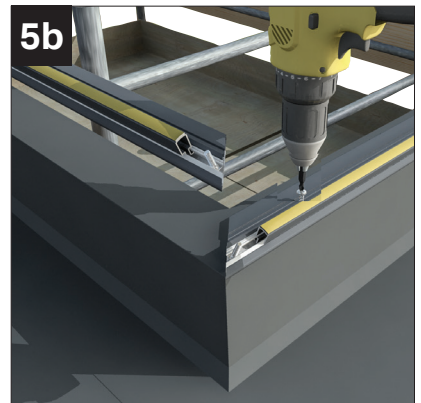


4 Pre drill 100mm from each end and drill a minimum of 4 holes at a max of 400mm centres using appropriate clearance drill. Now take the eaves beam/rail and ensure correct number of bolts are slotted into eaves beam/rail.

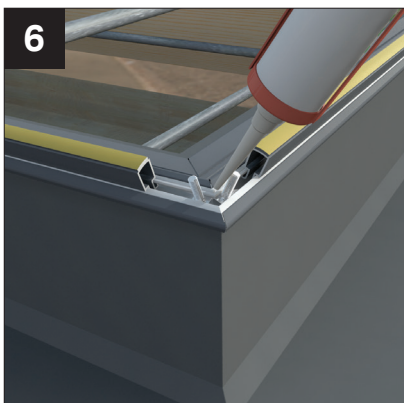
Minimum of at least 4 screws per eaves beam/rail length.



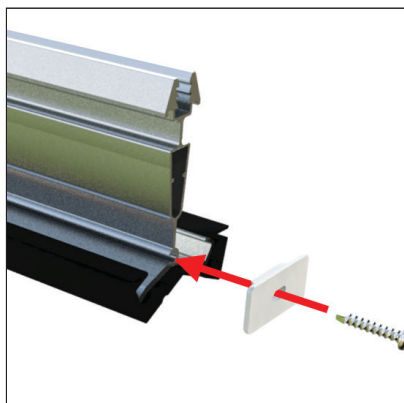
5a Cross section of timber kerb with eaves beam/rail in position - note flush with outer edge of kerb.



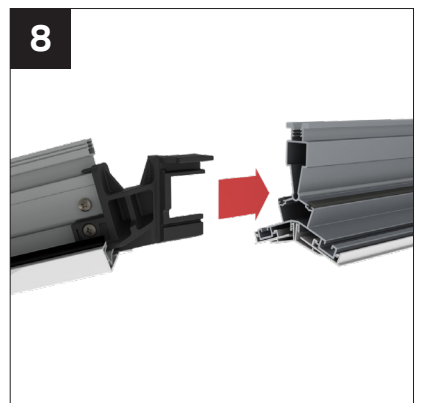
5b Check the required number of bolts are in the eaves beam/rail. Seal cut ends of eaves. Line up eaves along outer edge of kerb\* and screw down using appropriate fixings (5mm x 50mm recommended, not supplied) ensuring good engagement. \*As shown in image 5A.



6 Once eaves beam/rail is fitted, silicone corner joints.

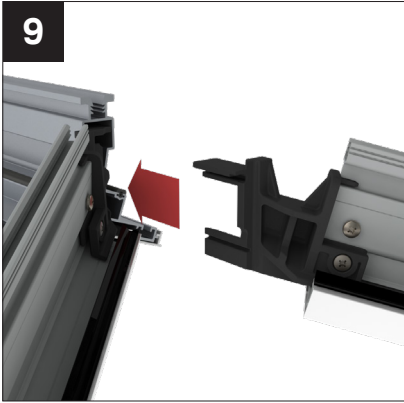


Attach the glazing bar end cap brackets - as access restrictions may prevent easy fixing later. (End cap brackets can be found moulded in the end cap).

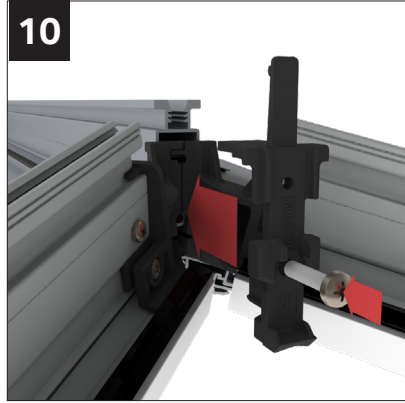


8 Prop the ridge body, now attach the left hand hip bar by inserting the ridgeLOCK into the ridge body. The branding ridgeLOCK L20 indicates this is a left hand part.

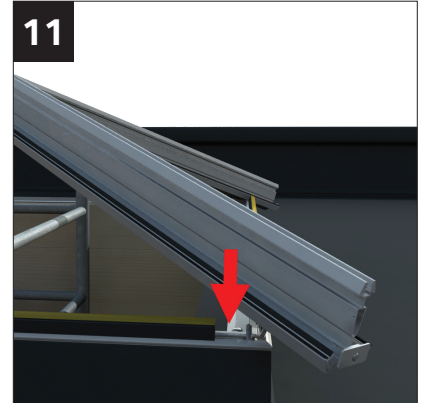
# GENERAL INSTALLATION



Attach the right hand hip bar by inserting the ridgelock into the ridge body through the left hand ridgelock. The branding ridgelock R20 indicates this is a right hand part.



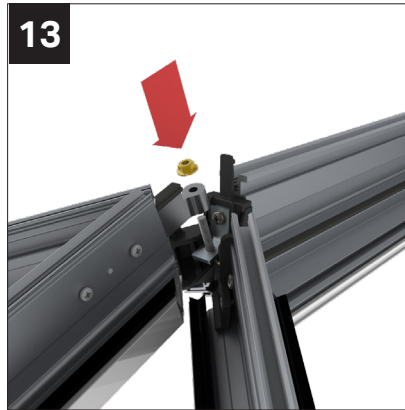
Secure in place using the ridgelock fixing bracket over the left and right hand parts and bolt into the ridge.



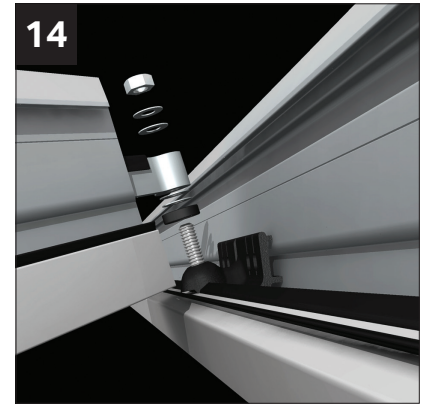
Remove nuts on eaves beam. Fit hip bars onto bolts at eaves end and hand tighten nuts.



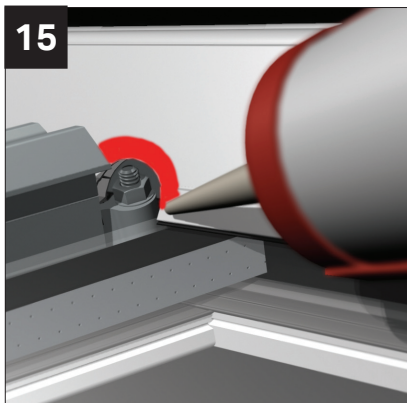
If the project contains a central bar between the hips: Screw the central bar bracket to the ridge end ensuring it is properly secured.



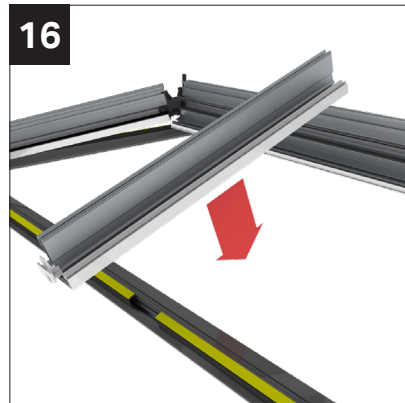
If the project contains a central bar between the hips: Position the bar between the two hip bars, secure using the 30mm bolt and flanged nut provided.



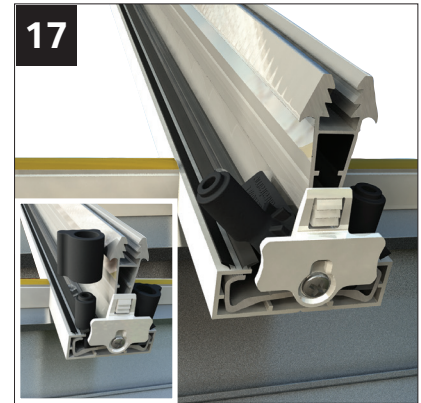
If jack rafters are specified: Offer up the jack rafter to the connection point pre fitted to the hip. Each jack rafter kit is supplied with a number of washers. Trial fit the jack rafter and check that the glazing platforms are level. Adjust if necessary by adding or removing washers between the two part connecting kit, then tighten the nut.



Seal around the notched hip bar top cap ready to receive the jack rafter capping.



If the project contains transom bars. Locate the bars on bolts at the ridge and eaves, once in position secure with spigot nuts. Check ridge is level.



Snap off appropriate handed glazing stop (LH shown). Insert the glazing stop into position. Push the grommet over the post. Slide the assembled glazing stops down to end of the bar.

# GENERAL INSTALLATION

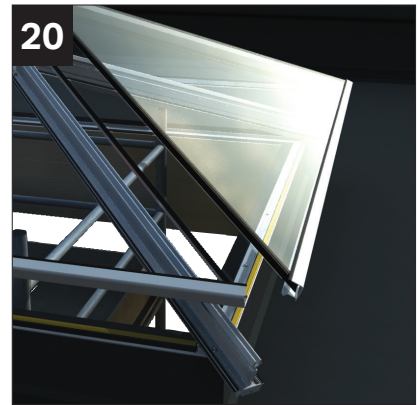


MS Polymer sealant only on Self cleaning glass  
MS Polymer

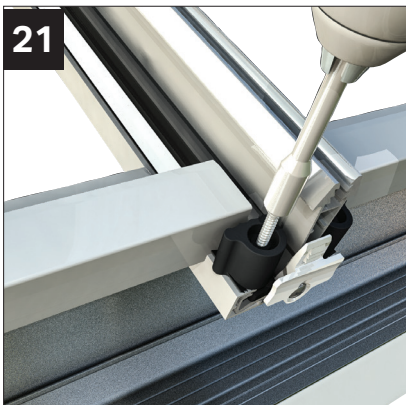
Seal underside of top face of glazing end profile as shown. Depending on the roof specification this can either be a PVCu or Aluminium profile.



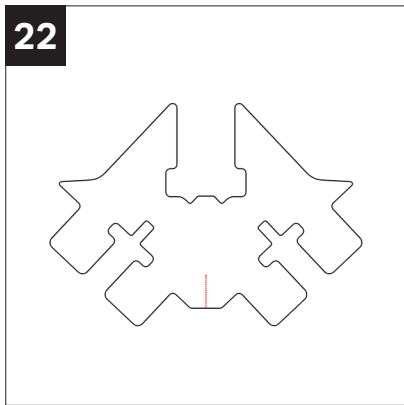
Peel back a small tab of the protective film on the glazing support from the eaves.



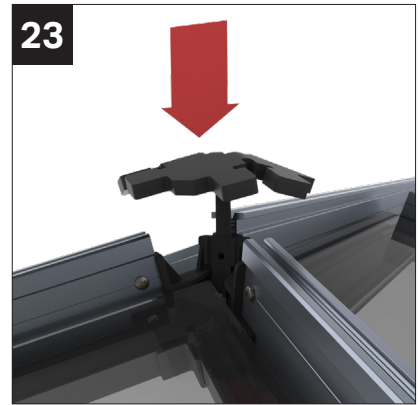
Lift glass units into place. Ensure that the glass contacts the gaskets on the glazing rafter and the ridge. Pull the small tab of protective film to removed the full length of tape from glazing support.



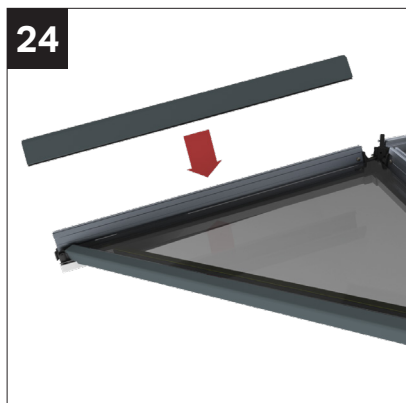
Ensure that glazing end profile sits snugly behind the grommet, on the glazing end stop. Now using the fixings provided, screw down into the bar as shown.



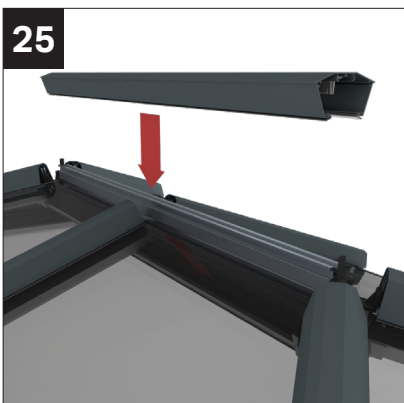
If the project contains central bars **between the hips**. Perform the cut detailed in the image above approximately 15mm in length.



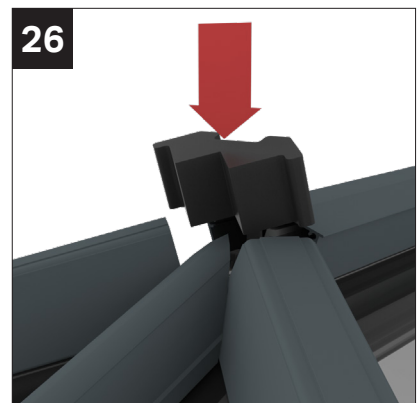
**ENSURE THE GLASS IS CLEAN AND DRY BEFORE FITTING.** Peel back protective film from weathering shield and position (adhesive face down) on glass, locating around the ridge and the hip bar.



Work your way around the roof and fit the bar top caps.  
Fitters tip: Suggested top cap installation order is hip top caps followed by the ridge top cap and finally any transom top caps.

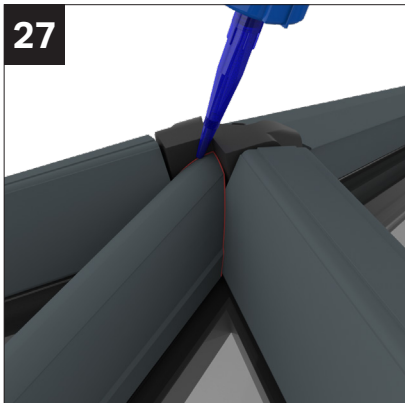


Fit the ridge top cap, ensure that the top cap clips are evenly spaced. Push down along the length to check the top cap is fully engaged.

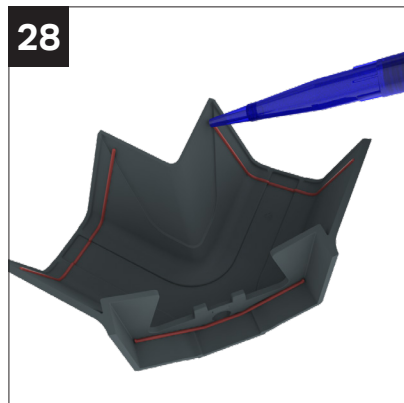


If the project contains central bars **between the hips**. Position the weathering barrier on the previously installed weathering shield and tuck the tabs underneath the hip top caps.

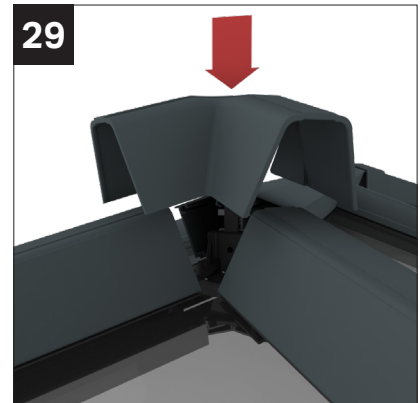
## GENERAL INSTALLATION



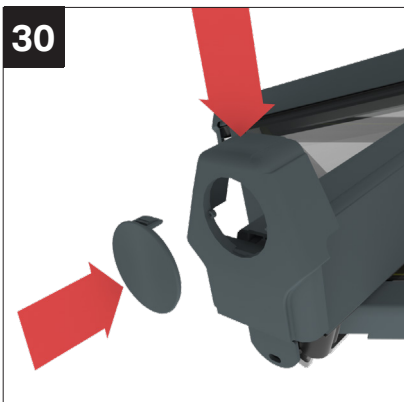
**27**  
If the project contains central bars between the hips. Apply a bead of silicone around the central bar top cap.



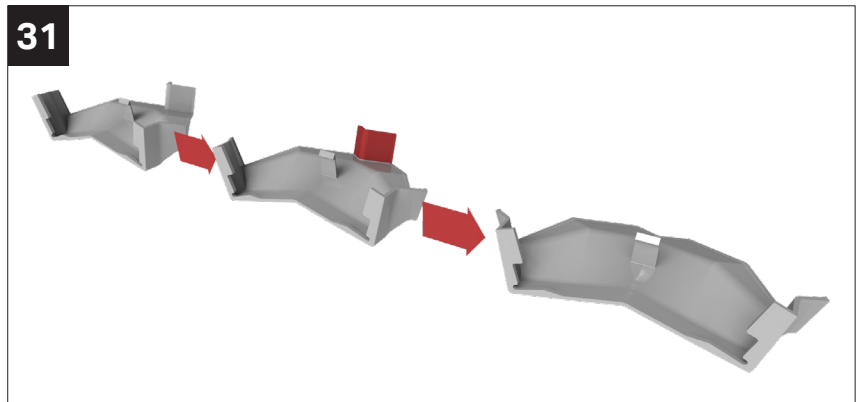
**28**  
Apply a small bead of sealant to the inside of the external cover (as shown) around where the part meets the glazing bar top caps and the ridge top cap.



**29**  
Fit the ridge end external cover and press down firmly clipping in place.



**30**  
Fit end caps to bars and push in the end cap infill.



**31**  
When central bar is specified, the internal cover will need the highlighted section removing using a hacksaw. Tidy edges using a small file if required.



**32**  
Fit the internal plastic cover by clipping in place.

**PLEASE PASS THIS GUIDE TO THE  
HOMEOWNER**

**If in doubt at any stage of the installation  
Please contact the Tech Support Team on 01200 452 918 or  
email [techsupport@ultraframe.co.uk](mailto:techsupport@ultraframe.co.uk)**

[www.ultraframetrade.co.uk](http://www.ultraframetrade.co.uk)

**Job No.: 6008 01/20 V1 LANG002**

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