

VERANDAH

INSTALLATION GUIDE
VERSION 1.3



INTRODUCTION.

This universal guide provides a general overview of the installation of the Prefix Verandah. Due to the nature of bespoke installations, any areas or details not covered in this guide can be discussed with our technical support team on 01254 871800.

This guide is written on the basis that an accurate site survey has been undertaken. Please take a moment to read through this guide prior to assembly. All feedback is welcome.

You will be supplied with a clearly marked location plan. Please refer to these plans when requested to ensure measurements and components all relate.

RECOMMENDED TOOL LIST.

- | | |
|--|---------------------------|
| - 8mm socket spanner (for M5 Fixings) | - Sealant Gun |
| - 10mm socket spanner (for M6 Fixings) | - Spirit Level |
| - 8mm Magnetic Hex Nut Driver | - 8m Tape Measure |
| - 10mm Magnetic Hex Nut Driver | - 2.5m Step Ladder |
| - Drill Bit Set | - Angle Finder |
| - Long Reach Drill Bits | - Plumb Bob |
| - Masonry Drill Bits | - Builders Square |
| - No.2 Pozi-Drive Bit | - Combination Square |
| - T30 Torx Bit | - Glazing Paddle |
| - Battery Drill/Driver | - Retractable Blade |
| - Battery Impact Driver | - Silicone finishing tool |
| - Hack Saw | - Glazing Chisel |
| - Nylon/ Rubber Mallet | - Pry Bar |
| - Claw Hammer | - Quick Grip Clamps |
| - Long Nose Pliers | - Trestles/ Workbench |
| - Gasket Shears | - Ø60mm Hole Saw |

MATERIALS NOT SUPPLIED.

- MS Polymer Sealants
- Glazing Packers
- Suitable Substrate Fasteners
- Lead or Alternative Flashing
- Low Modulus Neutral Cure Colour coded sealant

SYSTEM OVERVIEW.

Roof Pitch:

Minimum: 5° Standard: 7.5° Maximum: 30°

Maximum Sizes:

Width: Unlimited Projection: 4000mm

For design enquiries over 4000mm projection please seek advise from our technical dept.

Heights to Underside of Eaves (from Finished Floor Level):

Standard: 2100mm Round Post Maximum: 2800mm Square Post Maximum: 3000mm

Post Centres:

Minimum Post Centres:	1020mm
Maximum Post Centres (Round Post):	3000mm
Maximum Post Centres (Square Post):	3000mm
Minimum Cantilever from Post Centre:	515mm
Maximum Cantilever from Post Centre:	1050mm

Glazing Bar Over Hang Options:

68mm (available with gutter)
250mm (not available with gutter)

Colour Options:

Black (RAL9005)
White (RAL9003)
Grey (RAL7016)
Any other bespoke RAL colour available on request.

Glazing Options:

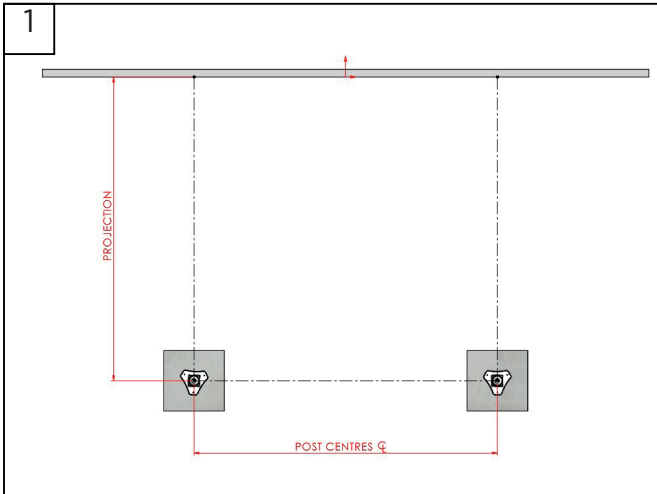
24mm Double Glazed Units 35mm Polycarbonate

SEALING.

It is important to use the correct sealant when sealing the roof.

1. Roofs glazed with standard sealed units, low modulus neutral cure brand of silicone must be used.
2. Roofs glazed with 'Self Cleaning Glass', MS Polymer sealant such as Rotabond 2000 must be used.

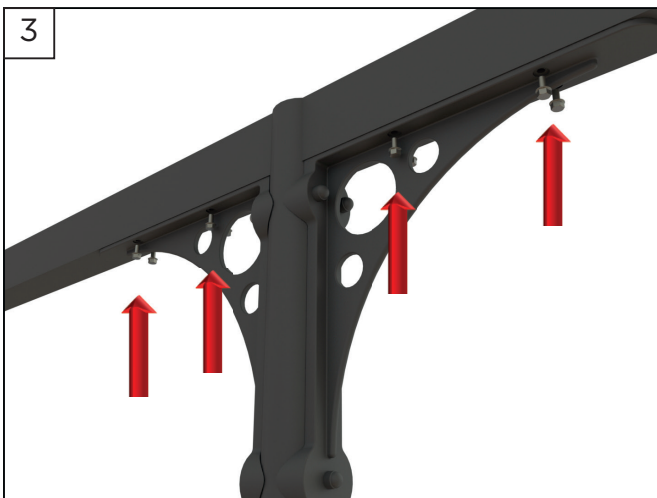
INSTALLATION.



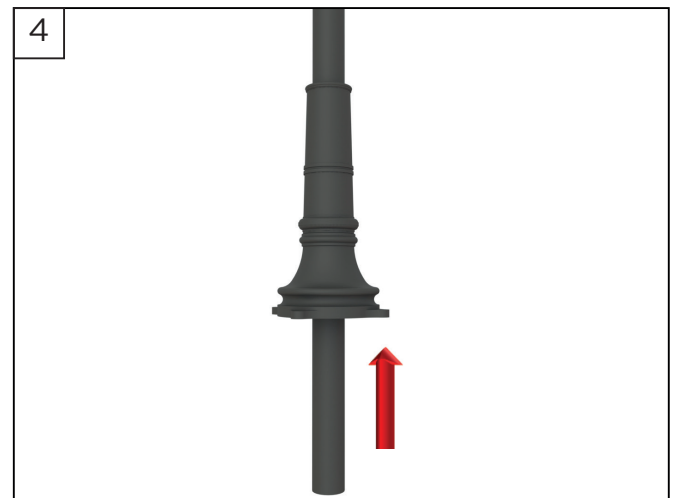
Prior installation, mark the centreline of the support posts at the correct projection from the host wall and prepare the area.



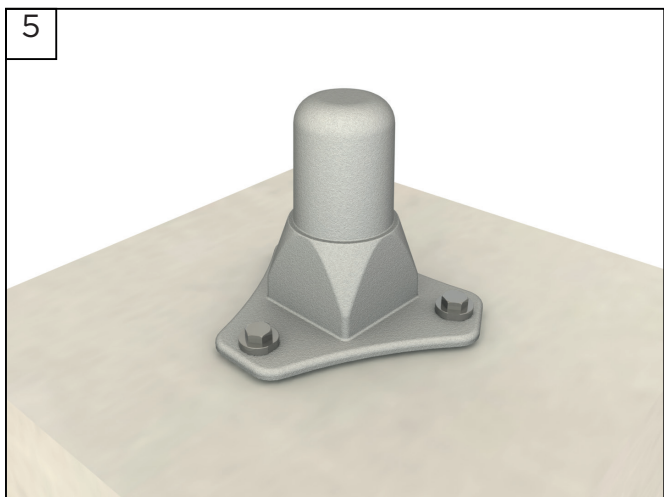
Locate the eaves beam and supports posts. The support posts will come with the gallows brackets pre-assembled to the top of the post.



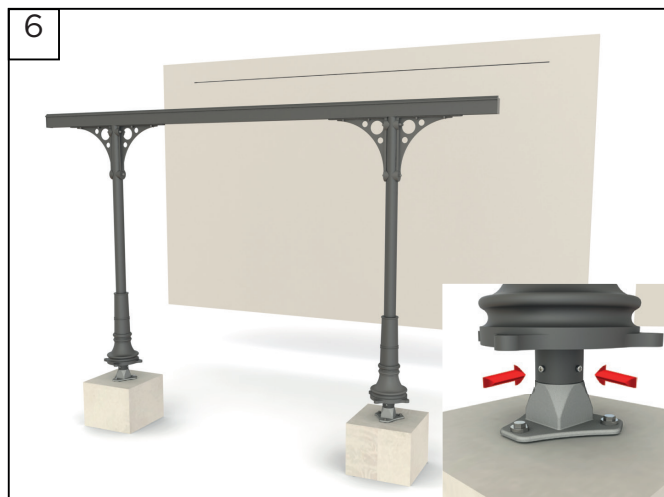
Position the Eaves Beam on the support posts to create the goalpost. Ensure the notched section of the support post is to the inside of the eaves beam and the bolt rail faces outwards. Line the holes in the top of the gallows and underside of the eaves and fix using 8 x M8x20mm Hex Head Taptite Screws (F0010). Nip up M10 fixings into post. **NB: For lengths over 5m, or Verandah with 3 posts or more, it may be beneficial to fit posts to the bases before fixing eaves in position.** Eaves beam will require jointing over the post



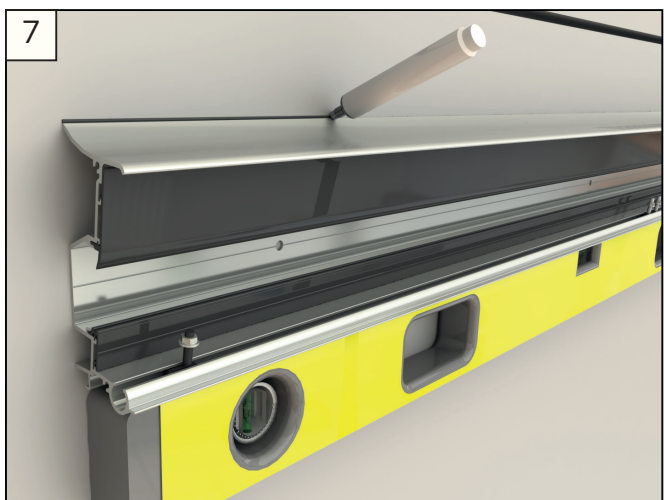
NB: If decorative foot options are being used, slide up the post and secure out of the way prior to securing post in place. It is recommended applying protective tape to the support post to prevent any damage to the painted surface when sliding the parts.



Using the marked-out post centres. Drill and securely fix the base plates using suitable fixings (not supplied).

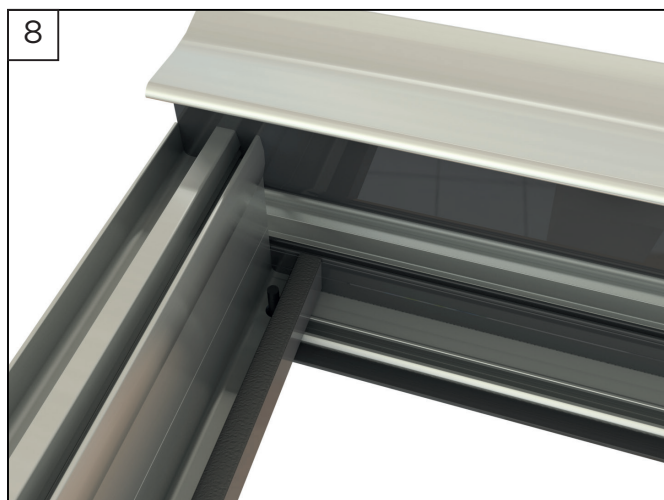


Lift the goal post over the post base plates. Drill 4 x $\varnothing 5.5\text{mm}$ holes through the post 35mm up from the bottom, and fix using M6 x 40mm Pan Pozitite Screws supplied.



See location plans in the site pack. Identify wall plate height and mark on the host wall. Check wall plate assembly for correct number of twin bolts and that the cloaking trims and under cladding have been fit.

NB: On Verandah pitches over 10 degrees please refer to Half Ridge Wall Plate Installation later in this guide



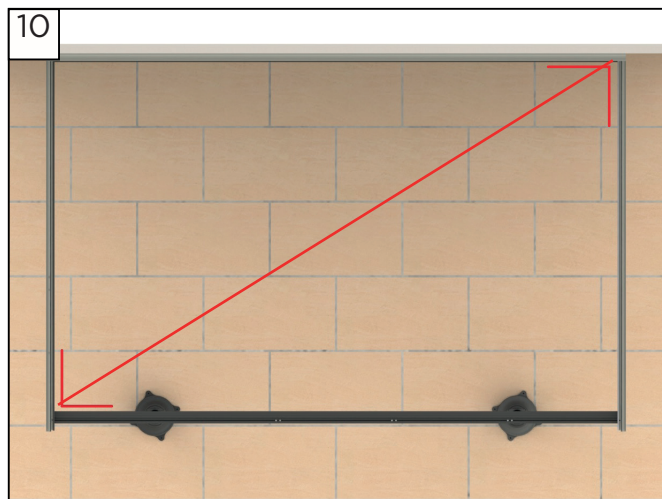
Identify the LH and RH starter bars. Fit each starter bar loosely in place at each end of the wall plate.

NB: starter bars will only have one hole and use a $\frac{1}{2}$ twin bolt.

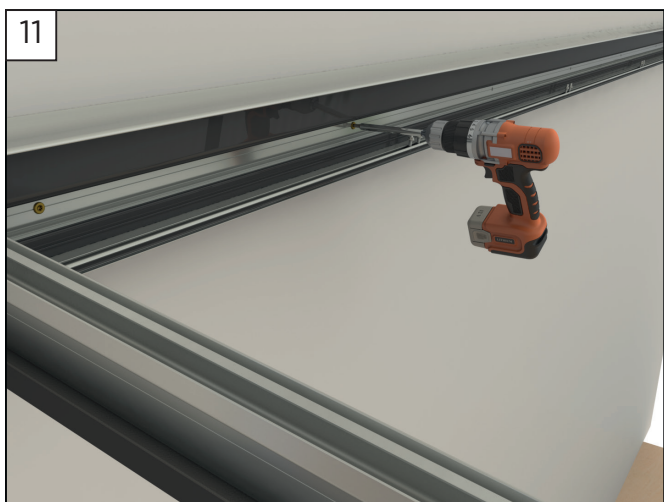
INSTALLATION.



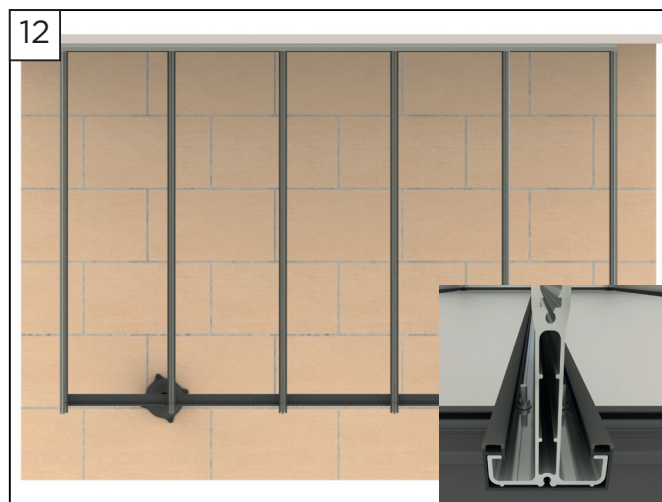
Lift the wall plate & starter bars and line up to the marked line on the host wall. Support in position and loosely secure the bottom ends of each starter bar to the eaves beam using the half twin bolts and M6 nuts.



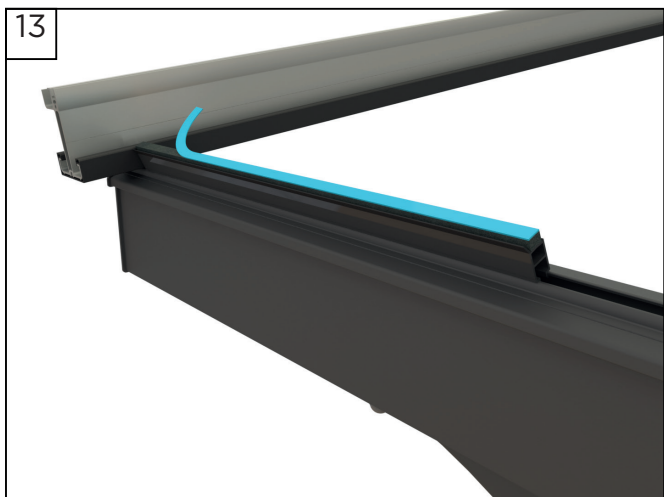
Square up the starter bars to the eaves and wall plate, ensure the posts are plumb and tighten the bolts in each starter bar. Where survey dimensions may differ, posts can be plumbed by lifting or lowering the wall plate against host wall to suit. Note: This will adjust the pitch of the roof slightly.



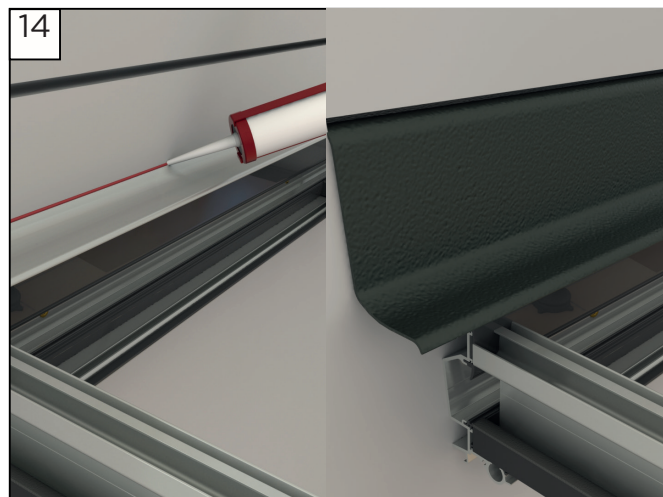
Ensure wall plate is level, mark and drill holes through wall plate and host wall 150mm from each end and max. 500mm centres thereafter. Fix using substantial substrate fasteners. (Supplied by others).



Using the Location Plan in your site pack, fit the remaining glazing bars using M6 nuts supplied. NB: M6 nuts will be attached to the twin bolts and will need removing prior installing the glazing bars.



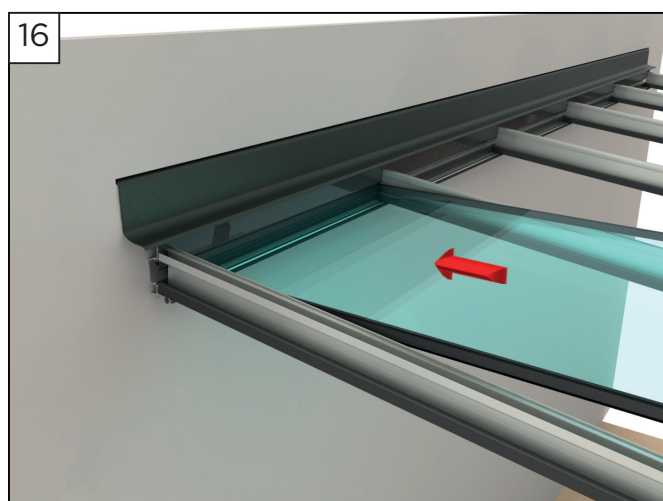
Push Fit SKP-6056 Eaves Beam Closure into the eaves beam between each glazing bar and peel back the edge of the tape (to help with tape removal once glazed).



At this point drill out channel along host wall. Run continuous bead of sealant along top edge of wall plate and host wall then dress wall plate with lead flashing or similar alternative.



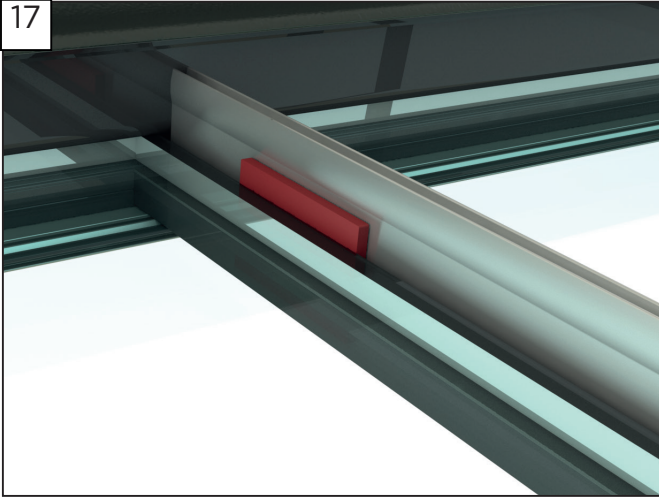
Pair each glass end trim with the correct glass unit. Run a continuous bead of sealant (appropriate for glazing) along the full length of each glazing end trim and secure to the bottom edge of the glass unit. If aluminium end trim is supplied, ensure the lip is pointing downward to the bottom edge of the unit and each end of the lip is notched out to fit over the glazing bar. PVC end trims do not require notching.



When glazing, the label usually identifies the internal pane of the unit. Position centrally between the glazing bars and push firmly up into the wall plate. The bottom edge of the glass unit with end trim should sit flush to end of glazing bar.

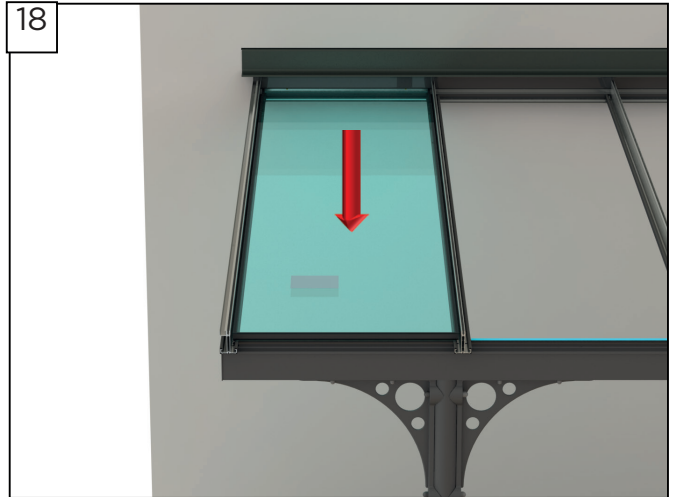
INSTALLATION.

17



To add rigidity to the system, it is good working practice to pack the glazing parallel between each glazing bar (Packers supplied by others).

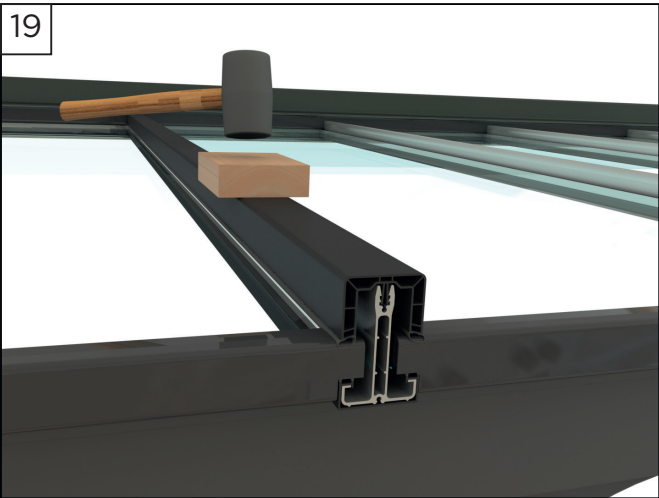
18



Remove the protective film from the eaves closer and firmly press the glass to seal.

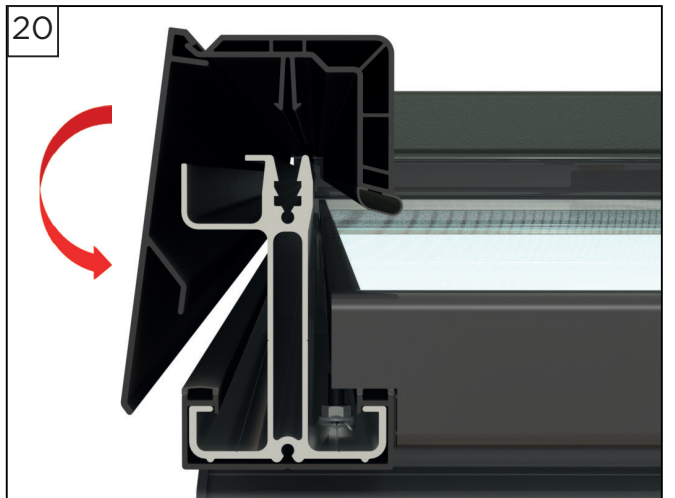
Tip: a warm soapy solution can aid fitment of glazing and cappings to temporarily reduce friction against gasket seals.

19

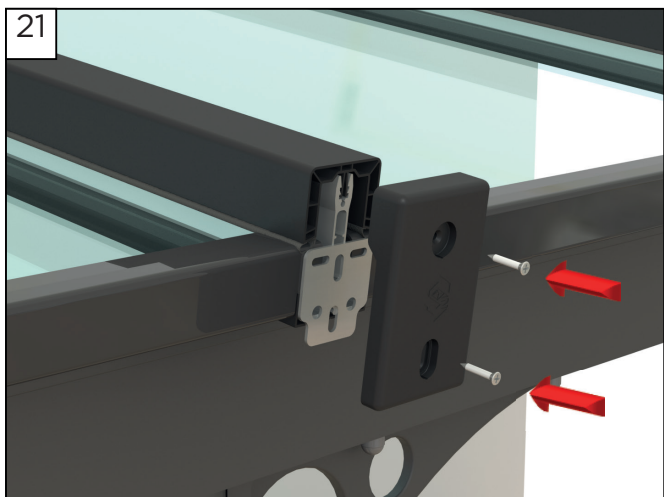


Push top caps tight to the wall plate cloaking trim & knock down firmly using a dead blow hammer and block until fully engaged. Leave all protective tape in place until the installation is complete.

20

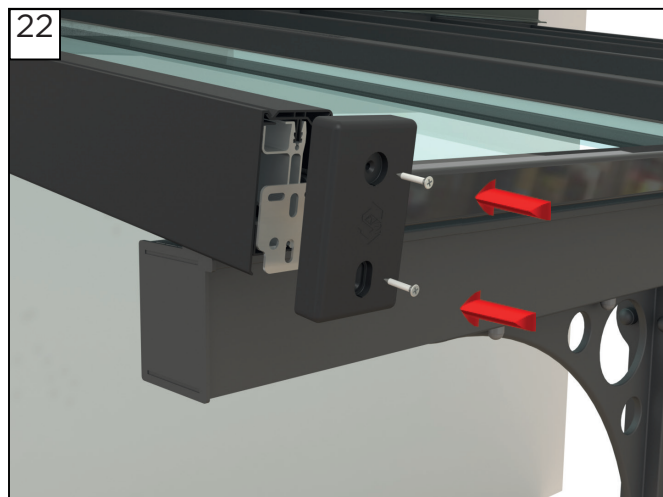


When fitting starter bar top caps loosely position the top cap on top of the bar. At the same time, hook the internal leg on the fascia trim over the top of the glazing bar under cladding gasket. The two parts should connect simultaneously. Once interlocked, knock down the capping as per previous step.

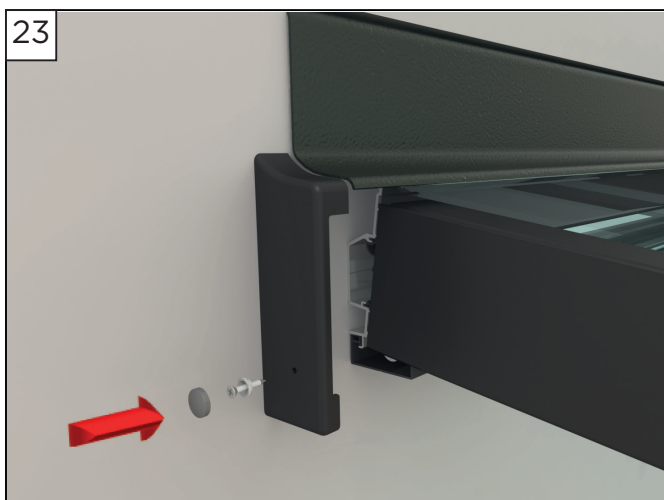


Fix Glass Stop Plate and end caps to each glazing bar, securing in place using 2 x 3.9x25mm Self-Drilling Screws (SKC-8019).

Do not fit glazing bar end cap plugs until the end of the installation.



The glazing end cap on starter bars are handed the flat edge should be fit to the fascia trim side.



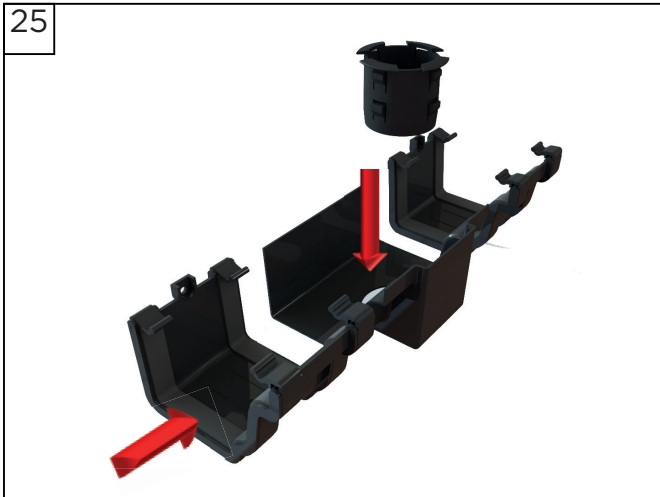
Fit wall plate end caps to wall plate using 1 x 3.9x25mm Self-Drilling Screw (SKC-8019) and cover cap (SKC7004).



Assemble gutter inc. stop ends and outlets. Hook front edge of gutter onto brackets. Rotate the back edge up and knock into position firmly until the rear clip engages.

INSTALLATION.

25



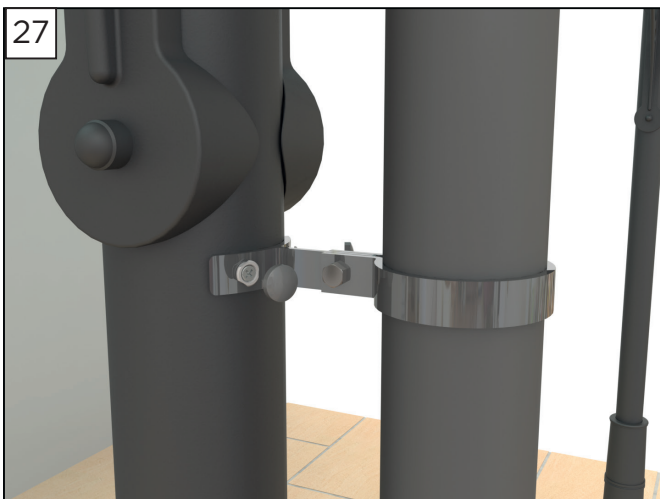
Before installing, assemble 2 x Inline gutter unions to each side of the Inline gutter forward outlet (SKC-9651) and insert Multi-Positional outlet into the hole in the gutter outlet.

26



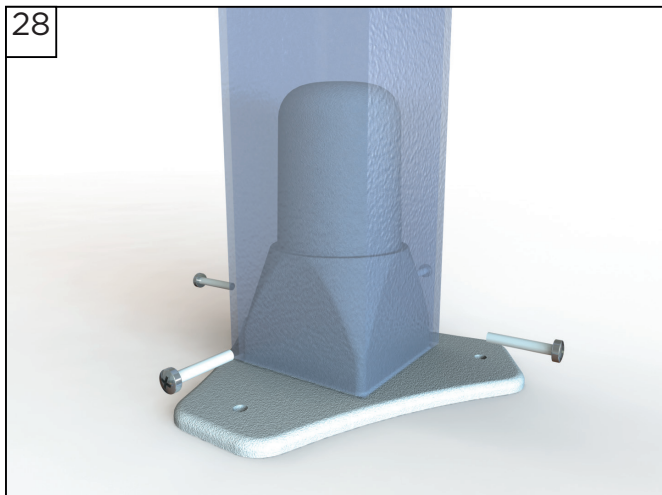
Assemble gutter inc. stop ends and outlets. Hook front edge of gutter onto brackets. Rotate the back edge up and knock into position firmly until the rear clip engages.

27

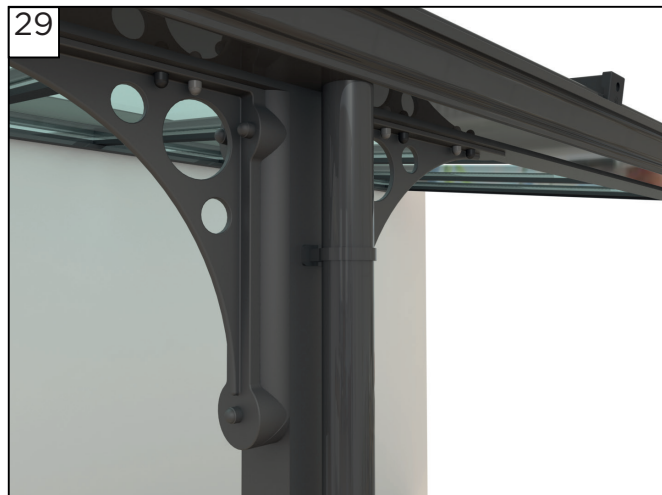


Fit downpipe clips and downpipe shoe to the downpipe. Bolt the clips to the downpipe bracket, then fix to the support post of the Verandah using 2 x 3.9x25mm Self-Drilling Screws (SKC-8019) per bracket. Cover using cover cap and cup washers supplied.

SQUARE POST INSTALLATION.

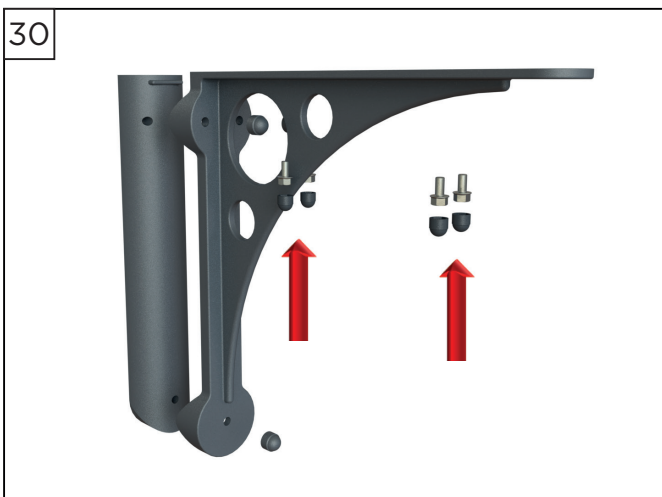


If a Verandah has been specified with square posts the post will not support decorative covers therefore sinking them on to a submerged pad foundation is advised. Post fits over the foot as shown above. Drill 4 x $\varnothing 5.5\text{mm}$ holes through the post and foot approx. 35mm up from the bottom of the post.



If fitting downpipe to a square post, single fix downpipe clips will have been supplied to fix to the flat surface of the post. Square posts can accommodate square and round downpipes. Forward outlet and unions are not required on square posts. Fit multi-positional outlet into flat surface of gutter.

FITTING TO A WALL.

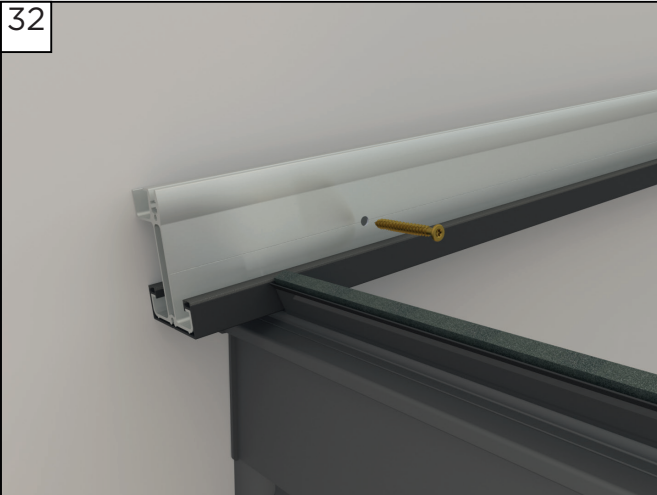


Where a Verandah is fitted up to a house wall on the left-hand or right-hand side the eaves may require a Gallows bracket at the wall if a post is not in the required distance from the wall. Check site pack to see if a gallows to wall has been selected. If so, locate loose gallows bracket (C0096) and Adaptor (C0097)



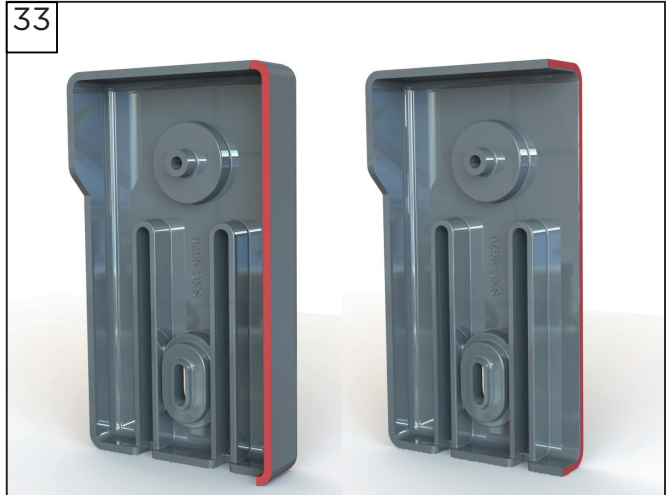
Line holes on gallows bracket up to the holes on the underside of the eaves beam and fix using 4 x M8x20mm Hex Head Taptite Screws (F0010). Drill and fix gallows bracket back to host wall using appropriate substrate fixings. When selecting suitable fixings, take into consideration the 50mm offset from host wall to outside face of bracket.

32



The starter bar should sit flush to the wall. As shown in step 9, Starter Bar fits to wall plate and eaves using a $\frac{1}{2}$ pivot bolt. Drill and Fix Starter Bar back to host wall using appropriate substrate fixings (supplied by others). 150mm from each end and 500mm centres thereafter. Where walls may run out of square. Pack between bar and wall accordingly.

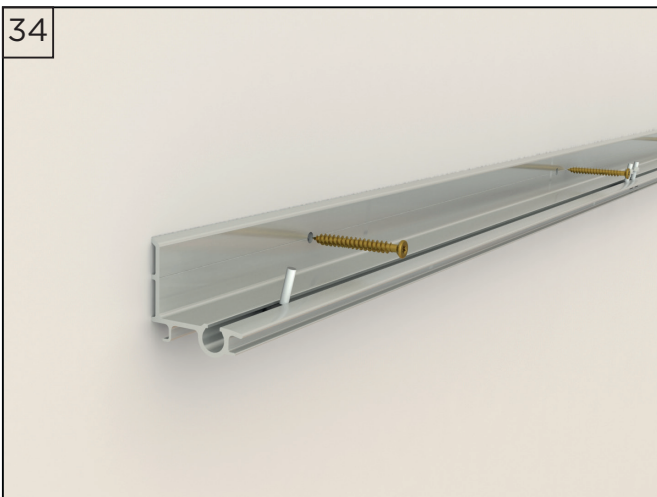
33



Starter Bars at a host wall do not require fascia trim. Glazing End Caps require cutting down to suit house wall abutments. Line on back face of end cap indicates the cutting point. This can be cut using a Stanley knife or fine-tooth hack saw. Fix to end of bar with glass end plate using 2 x 3.9x25mm Self-Drilling Screws (SKC-8019).

LIGHTWEIGHT WALL PLATE.

34



When setting a lightweight wall plate, mark, and drill holes along the v-groove on the back face of the wall plate. Fix using appropriate substrate fixings (supplied by others).

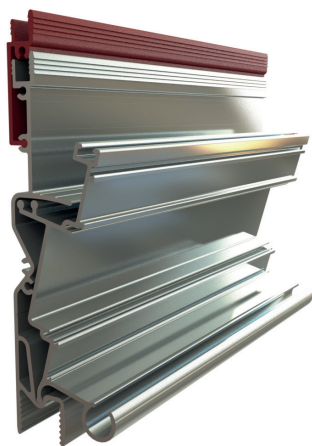
35



Fix lightweight wall plate end caps from underneath using 2 x 3.9x25mm Self-Drilling Screw (SKC-8019) and cover caps (SKC-7004) per side.

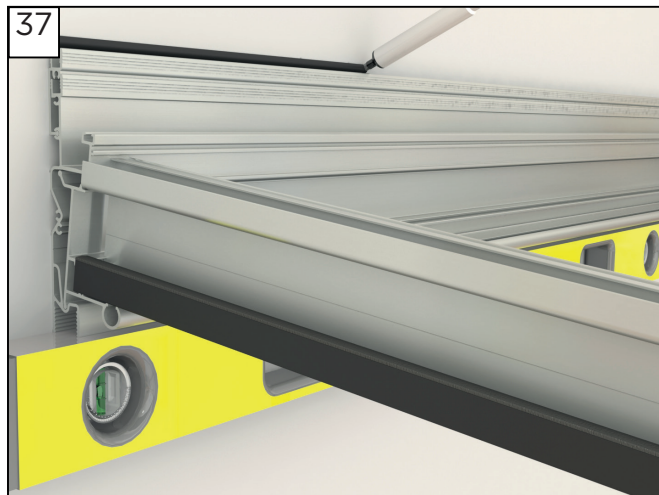
VARIABLE PITCH WALL PLATE.

36



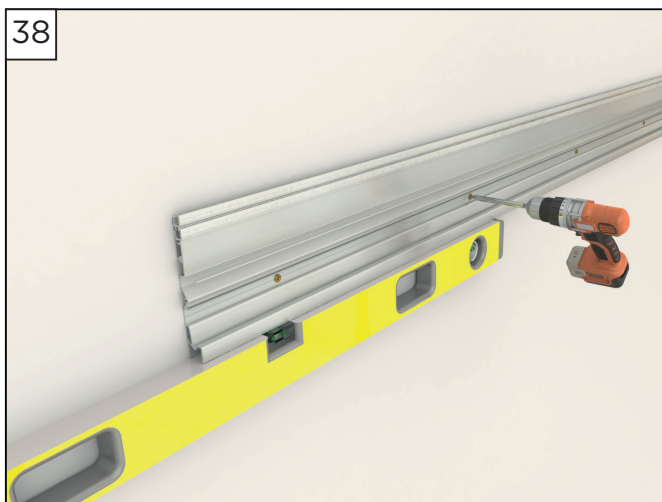
Where roofs exceed 10° variable pitch wall plates are required. For pitches between 5 & 15° a wall plate adaptor will be supplied to raise the top cap height. Make sure this is located into the screw port before fixing to host wall.

37



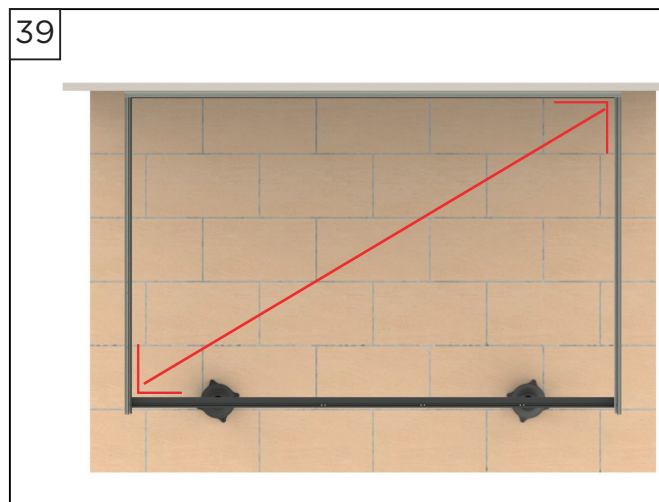
When setting wall plate height Fit the wing into the main body (check correct number of pivot bolts have been slid into channel) and loosely fit the LH & RH stater bars. Check roof pitch, the wall plate for level and that the support posts are plumb. Mark wall plate position on host wall.

38



Lift starter bars and wing away. Re-line the wall plate. Ensure wall plate is level and support in place while you mark and drill holes through wall plate and host wall 150mm from each end and max 500mm centres thereafter. Fix using substantial substrate fasteners. (Supplied by others).

39



Re-position the wing and starter bars, Square up against eaves and wall plate. Check roof pitch is correct and support posts are plumb then tighten up the nuts on the starter bars. Re-vert back to step 13 onwards in this guide for the remaining install.

STRUCTURE.

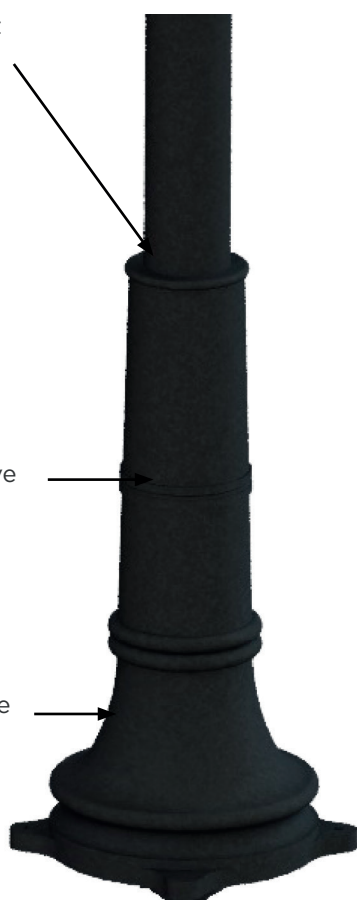
Double Glazed Glass Units or Polycarbonate –
(optional colour tints available)

Glazing bar
with square top
caps

Colour Match Sealant
around Top of Cover

Decorative Sleeve

Decorative Base





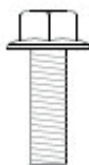
FIXINGS & FASTENERS.



F0019
M10 DOME HEAD COVER
CAP



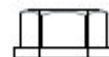
SKC-9599
5.5mm x 32mm TORX PAN HEAD, SELF
TAPPING STAINLESS STEEL SCREW



F0044
M6 x 16mm HEX HEAD FLANGE
BOLT A2 STAINLESS STEEL



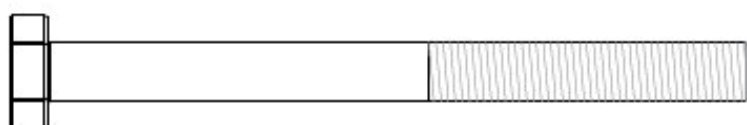
F0045
M6 SERRATED FLANGE HEX
NUT A2 STAINLESS STEEL



F0016
M10 NYLOC HEX NUT



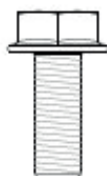
F0041
M10 x 65mm HEX HEAD BOLT A2
STAINLESS STEEL



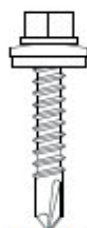
F0015
M10 x 120mm HEX HEAD BOLT A2 STAINLESS STEEL



F0007
M6 x 40mm PAN POZI TAPTITE SCREW



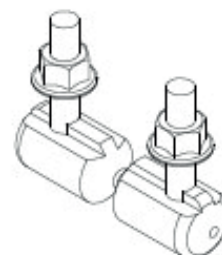
F0010
M8 x 20mm HEX
HEAD TAPTITE SCREW



SKC-9184
5.5mm x 32mm HEX HEAD
SEALING TEK SCREW



F0011
M8 DOME HEAD
COVER CAP



SKC-9144
PIVOT BOLT



SKC-7004
COVER CAP & CUP
WASHER



SKC-8018
3.9 X 16mm SELF-DRILLING
PAN HEAD SCREW



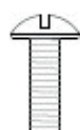
SKC-8019
3.9 X 25mm SELF-DRILLING
CSK SCREW



F0044
M6 x 16mm PAN POZI MACHINE
SCREW A2 STAINLESS STEEL



F0045
M6 FULL HEX NUT A2 STAINLESS
STEEL



SKC-9605
M5 x 16mm MUSHROOM HEAD ROOFING
SCREW



SKC-9606
M5 FLANGE NUT



SKC-9615
M6 x 12mm CSK POZI TAPTITE SCREW



SKC-9655
M6 x 16mm PAN POZI TAPTITE SCREW

CLEANING & MAINTENANCE

Important note for maintenance of the Verandah.

In areas within the direct influence zones of salt water, industrial chemical plants, blast furnaces or other aggressive emission sources, the Verandah frame should be cleaned at least every three months. In a relatively cleaner environment every six months should be sufficient.

It is recommended that the structure is washed down with clean warm water containing a non-alkaline liquid detergent, using a non-abrasive cloth, sponge or soft bristle brush. This will remove grime, grease and any excess chalking. All ridges, grooves, joints and drainage channels where salt or other deposits can collect should be well washed out, thus preventing corrosion sites from occurring. Finally rinse thoroughly with clean water.

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 Prefix Systems

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