

SNAPA®

Snap Fix Glazing Bar System Technical & Installation Guide



Snap Fix Rafter Top Glazing Bar

The Snapa® snap fix rafter top glazing bar is extruded as an easy-to-install budget glazing bar. The Snapa® glazing bar works well with **10mm, 16mm and 25mm Axiome® multiwall polycarbonate sheets**. Whilst Snapa® bars are ideal for smaller DIY type projects, where greater longevity or strength is required, it is recommended to use Alukap®-XR glazing bars.

The Snapa® bar is very fast to install with an easy snap-fix connection.



Common uses:

- ✓ Canopies
- ✓ Covered Decking Areas
- ✓ Carports
- ✓ Verandas
- ✓ Covered walkways
- ✓ DIY

Qualities:

- ✓ Quick snap fix fitting
- ✓ Installer friendly
- ✓ Easy to cut
- ✓ Economical solution
- ✓ Time saving co-extruded gaskets



Snapa® : Snap Fix Glazing Bar

The Snapa® Snap Fix Glazing Bar system has been designed and manufactured with multiple click connection points so that it will work well with Axiome® multiwall sheets of almost any thickness. The high quality PVC profiles are extruded with a significant wall thickness providing a high degree of strength and rigidity.

Length	Description	Code
2.0m	Snapa® Snap Fix Bar - inc End Cap - White	AG18W
2.5m	Snapa® Snap Fix Bar - inc End Cap - White	AG19W
3.0m	Snapa® Snap Fix Bar - inc End Cap - White	AG13W
4.0m	Snapa® Snap Fix Bar - inc End Cap - White	AG15W
5.0m	Snapa® Snap Fix Bar - inc End Cap - White	AG14W
6.0m	Snapa® Snap Fix Bar - inc End Cap - White	AG16W



Snapa® : Snap Fix Gable Bar

Finishing off the last rafter on a roof has previously been a challenging compromise of install time, aesthetics, and the struggle of creating a waterproof seal. The Snapa® Gable Bar has been specially manufactured to overcome these challenges and now provides a fast and easy way to finish the last rafter glazing bar on any Axiome® multiwall roof. This Snapa® gable bar now provides a single glazing bar solution with an easy snap fix connection, which finishes off the end of the roof with a single snap down action.

Length	Description	Code
2.0m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG320W
2.5m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG325W
3.0m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG330W
4.0m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG340W
5.0m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG350W
6.0m	Snapa® Snap Fix Gable Bar - inc End Cap - White	AG360W



Snapa® : Snap Fix Wall Bar

In a world first, the Snapa® Wall Bar is the first budget snap fix glazing bar designed specifically to finish a roof against a side wall. Leaving the days of fiddly flashings and hybrid trims behind, the Snapa® wall bar is a clever two-part bar that reduces installation time and gives a smart clean finish to your roof. Compatible with nearly all thicknesses of Axiome® multiwall sheets, the Snapa® wall bar is simple to install and makes it easy for DIYers to create a waterproof finish with a simple snap-fix connection.

Length	Description	Code
2.0m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG420W
2.5m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG425W
3.0m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG430W
4.0m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG440W
5.0m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG450W
6.0m	Snapa® Snap Fix Wall Bar - inc End Cap - White	AG460W



Alukap®-XR : Endstop Bar

Issues with the lower end of polycarbonate glazing panels gave rise to the innovation of a substantial drip trim that will not warp, discolour, crack or fall off like the inferior plastic equivalents. This crucial area is all too often left to chance, and can cause costly damage to the glazing. The Alukap®-XR Endstop, puts a stop to that!



Length	Code (10mm)	Code (16mm)	Code (25mm)	Code (35mm)
3.0m	AKX106	AKX112	AKX118	AKX130
3.6m	AKX108	AKX114	AKX120	AKX132
4.8m	AKX110	AKX116	AKX122	AKX134

Snapa® : Snap Fix Glazing Bar End Cap

The Snapa® End Cap is designed to provide an aesthetically pleasing finish to the ends of the Snapa® snap fix glazing bar. A simple screw with a cap locates in to the top of the bar and covers the end section of the glazing bar whatever height of glazing is used.



Description	Code
Snapa® Snap Fix Bar End Cap - White	AG17W

Snapa® : Top Wall Flashing

When flashing from a back wall onto a roof the use of a lead flashing on its own is prone to leaks and an unsightly finish. Now you can properly seal and flash the back of your lean-to roof with our Snapa® top wall flashing with its unique foam gaskets! Manufactured from aluminium the top wall flashing has an expected life-span of 20 plus years and will help stop any drips or leaks for many years, when installed correctly.



Length	Description	Code
2.0m	Snapa® Top Wall Flashing - White	AG502W
3.0m	Snapa® Top Wall Flashing - White	AG503W
6.0m	Snapa® Top Wall Flashing - White	AG506W

Snapa® : Aluminium Super Ridge

Snapa® aluminium super ridge is another game changer in the roofing market. Protecting the ridge of a roof is crucial and with the installation of the Snapa® super ridge you can add years of life-span to your roof. Designed with integrated pre-formed foam gaskets to fit over the of the Axiome® sheets, the Snapa® super ridge is an installer's dream. The patented design allows for a good variety of roof pitches with the gaskets being flexible enough to seal against the Axiome® sheets, and create a longer lasting superior ridge solution.



Length	Description	Code
2.0m	Snapa® Super Ridge - White	AG602W
3.0m	Snapa® Super Ridge - White	AG603W
6.0m	Snapa® Super Ridge - White	AG606W

Snapa® : Aluminium Super Ridge End Cap

Crafted with striking form, our Snapa® super ridge end cap is designed to be the crowning element to every Snapa® ridged roof. Shaped to add a new level of waterproofing to the end of the Snapa® super ridge, the super ridge end cap helps protect one of the most crucial areas of installation and provides an unrivalled finish to user's roofs. Manufactured from aluminium, the Snapa® super ridge is very durable and adds extra longevity to the life-span a roof. The simple and innovative location prongs ensure that installation is fast and easy for DIYers and installers alike.



Description	Code
Snapa® Super Ridge End Cap - White	AG609W

Securbond® : Flashing Tape and Silicone Sealant

Securbond® flashing tape is a self-adhesive sealing tape used in a variety of applications to provide a weather tight seal between surfaces.



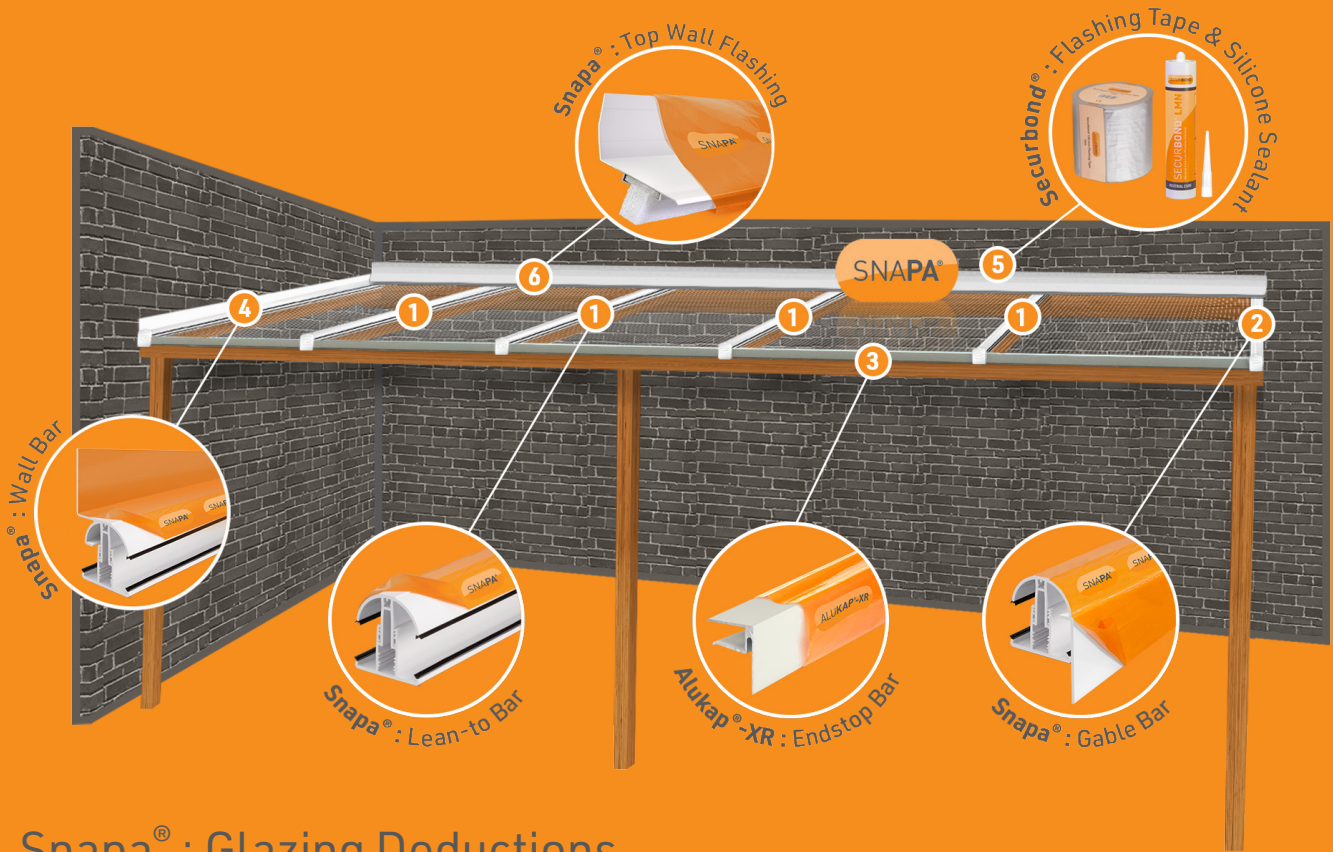
Length	Description	Code
10m	Securbond® 150mm Flashing Tape	AG73
10m	Securbond® 200mm Flashing Tape	AG74

Securbond® silicone is a premium grade LMN sealant that is great for sealing a wide range of construction materials that is popular with trade and homeowners, the Securbond® silicone is fast curing for easy use.



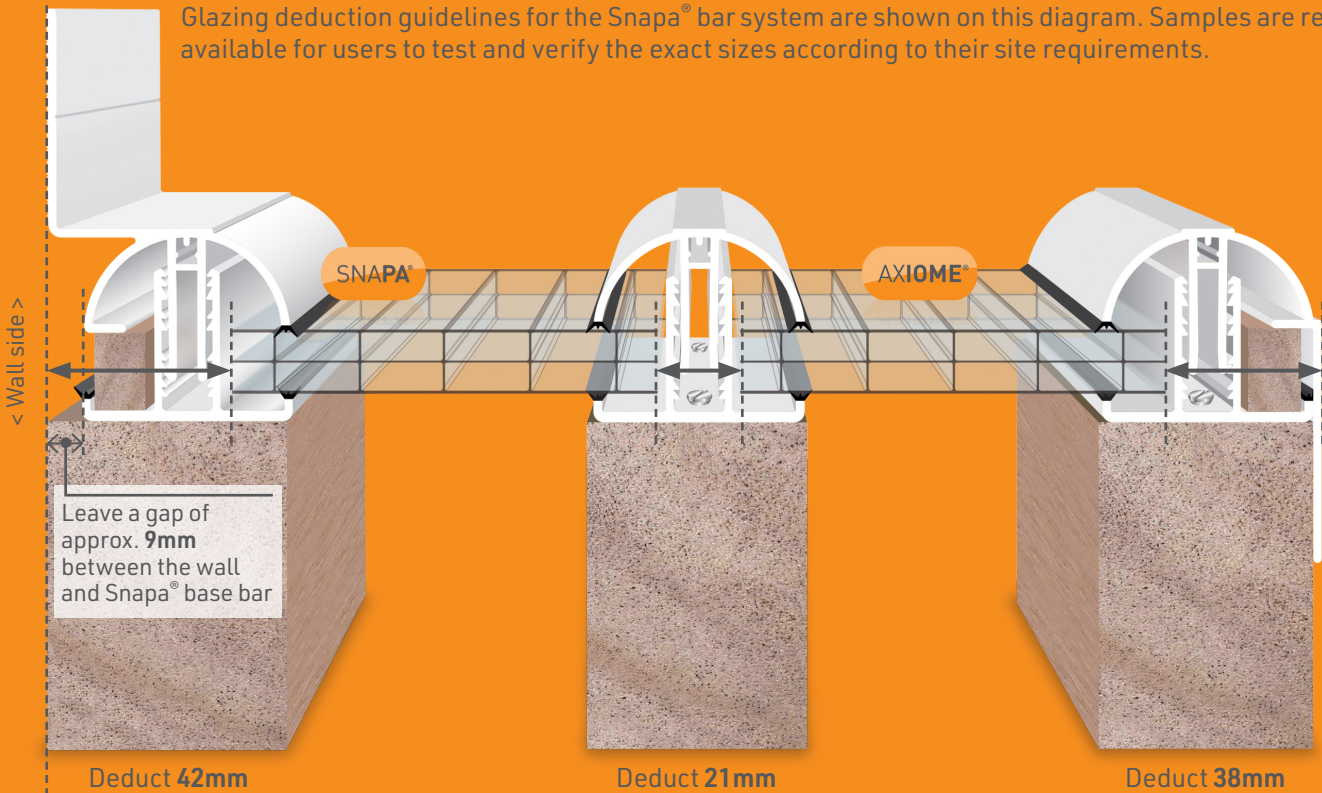
Description	Code
Securbond® Silicone Sealant 300ml - Clear	AG83C
Securbond® Silicone Sealant 300ml - White	AG83W
Securbond® Silicone Sealant 300ml - Black	AG83B
Securbond® Silicone Sealant 300ml - Grey	AG83G

Snapa® : Typical Roof Component Assembly Example



Snapa® : Glazing Deductions

Glazing deduction guidelines for the Snapa® bar system are shown on this diagram. Samples are readily available for users to test and verify the exact sizes according to their site requirements.

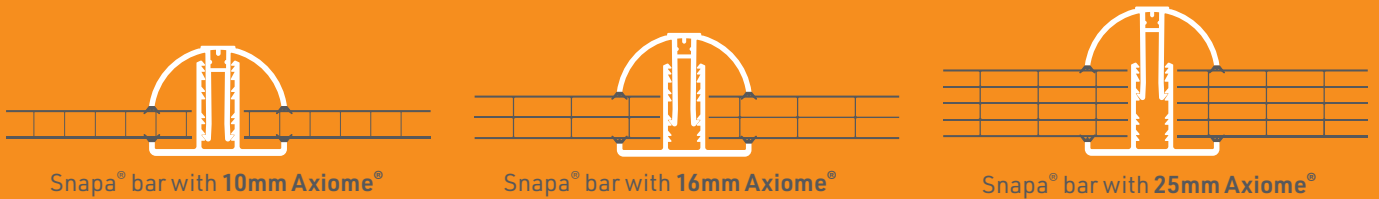


Snapa® : Installation Guide

<p>Snap Fix Wall Bar</p>	<p>Snap Fix Glazing Bar</p>	<p>Snap Fix Gable Bar</p>	<p>Snapa® End Cap</p>
<p>Top Wall Flashing plus Foam Gasket</p>	<p>Snapa® Bar Base Screws - 50 pack</p>	<p>Snapa® Super Ridge Bar</p> <p>Ridge gasket and stainless steel fixings (included)</p>	
<p>Snapa® Super Ridge End Cap</p> <p>Plan View</p>		<p>Endstop Bar</p>	<p>Flashing Tape</p>
<p>Anti-dust Tape (breathable)</p> <p>* Optional item</p>		<p>Silicone LMN Sealant</p>	

Designed to Suit Almost any Axiome® Multiwall Thickness

The Snapa® bar glazing system has been designed and manufactured with multiple click connection points so that it will work well with Axiome® multiwall sheets of almost any thickness. The high quality PVC profiles are extruded with a significant wall thickness providing a high degree of strength and rigidity. The diagrams below show the Snapa® bar being used with each option of Axiome® multiwall sheet.

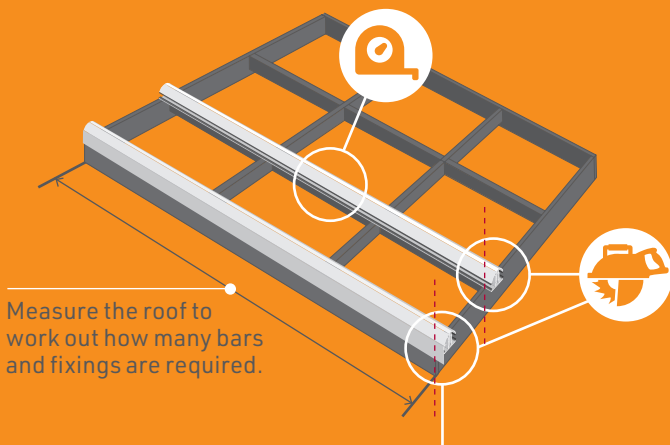


Tools required

<p>Wear protective gloves, glasses and ear protectors when required.</p>	<p>Circular saw and a cordless screwdriver with a drill bit holder / extension</p>	<p>Tape measure, Phillips headed screwdriver, soft / rubber headed hammer, a straight edge tool and Securbond® sealant plus a sealant gun</p>
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1 Take **all measurements** of the roof and glazing bars

IMPORTANT: Wear sufficient protective clothing

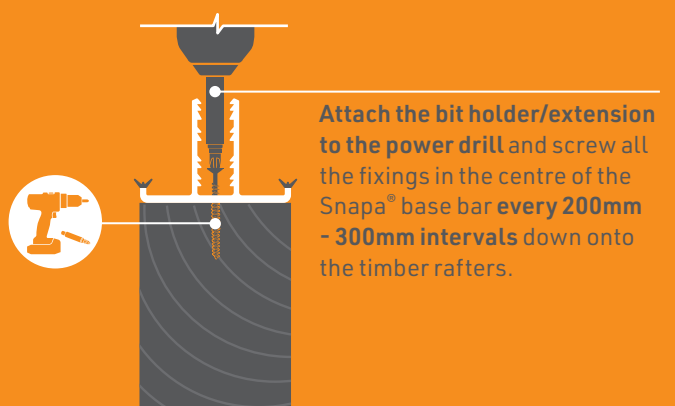


Measure and cut **both parts of the Snapa® lean-to, gable or wall bars** to an extra, **30mm-40mm longer than the rafter** so they overhang into the correct position for the gutter end of the roof.

IMPORTANT: Cut **ONLY** the Snapa® Top Clips - 5mm longer - than the base bars to accommodate the Alukap®-XR Endstop bars and the Snapa® End Caps.

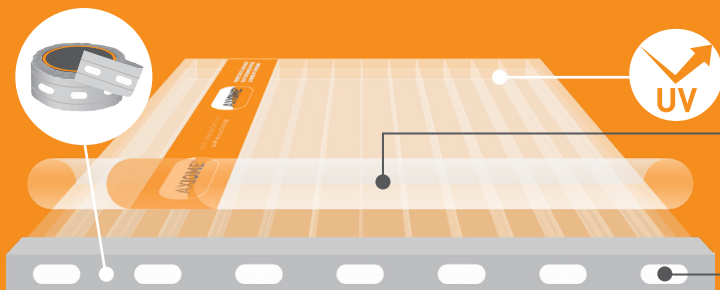
2 Fix **all the base bars** onto the timber rafters

NOTE: Remove the protective amber film provided on the Snapa® base bar before fixing them to the rafters.



3 Prepare the Axiome® sheets by applying the Anti-Dust Tape

IMPORTANT : Store the Axiome® sheets in a **clean, dry area**. All adhesives lose their initial tack when exposed to cold temperatures. Therefore, **avoid applying the tape at temperatures below 5°C**. The side bearing the Axiome® brand name is **UV-protected**.



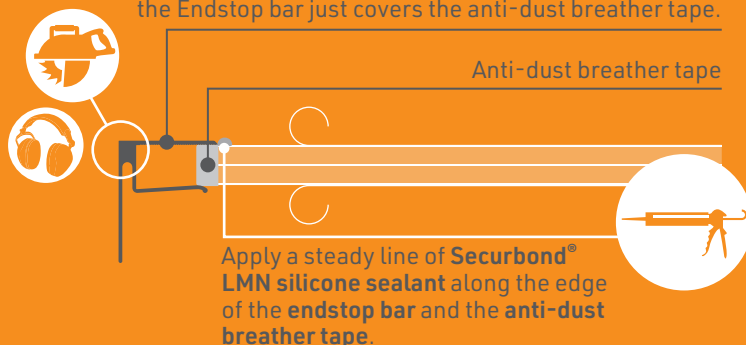
Ensure that you are working in a clean dry area, **pull the protective film back on both sides approximately 100mm from the open edge**, taking care not to scratch the surface.

Stick the **Axiome® anti-dust breather tape** onto the top surface in a straight line from one side to the other, allowing enough to wrap around and bond to the underside. **If it is necessary to join the tape mid-panel, ensure that there is a minimum 25mm overlap.**

4 Apply the Endstop bar to the Axiome® sheet

NOTE : We recommend using the Alukap®-XR Endstop bar as a sheet closure at the bottom sealed end.

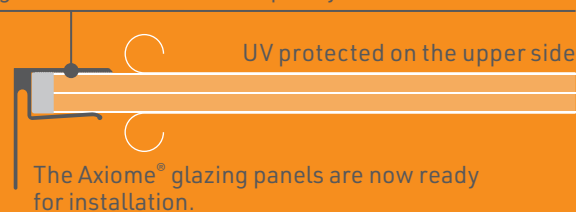
Cut the Endstop bar to the width of each Axiome® sheet, and **push-fit on partway ONLY** so that the open edge of the Endstop bar just covers the anti-dust breather tape.



Apply a steady line of **Securbond® LMN silicone sealant** along the edge of the endstop bar and the anti-dust breather tape.

5 Push the Endstop bar into place

Push the **Alukap®-XR Endstop bar fully into place**, so that the leading edge slides over the bead of **Securbond® sealant**, creating a seal that eliminates capillary action.



The Axiome® glazing panels are now ready for installation.

[▶ Video: How 2 Cut Polycarbonate Roofing Sheets](#)

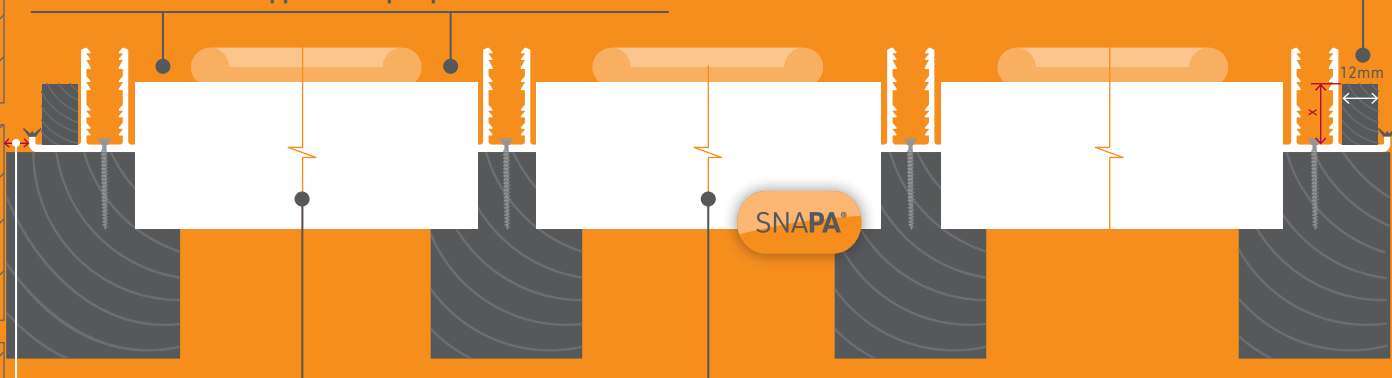
[▶ Video: How 2 Tape Polycarbonate Roofing Sheets](#)

6 Fit the completed Axiome® panels to the Snapa® base bars

Install the Axiome® panels into position allowing for a **2-3mm gap** either side for expansion.

Remove the protective film about 25mm from the remaining sides to allow for the **upper bar top clips** to be installed.

Measure and cut timber battens to be placed on either side of the roof structure to give support to the Snapa® Gable Top Clip bars. The supports are **12mm wide and the height (x) equates to the glazing thickness plus 2mm.**



Leave a gap of approx. **9mm** between the wall and Snapa® base bar

Front profiles of the Alukap®-XR endstop bars

[▶ Video: How 2 Install Polycarbonate Sheets with Snapa Glazing Bars](#)

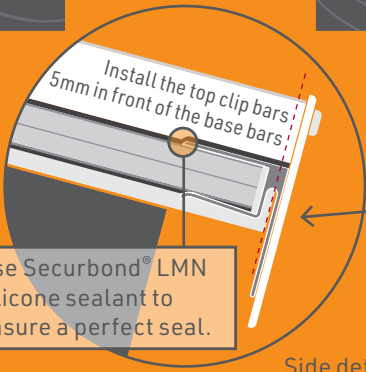
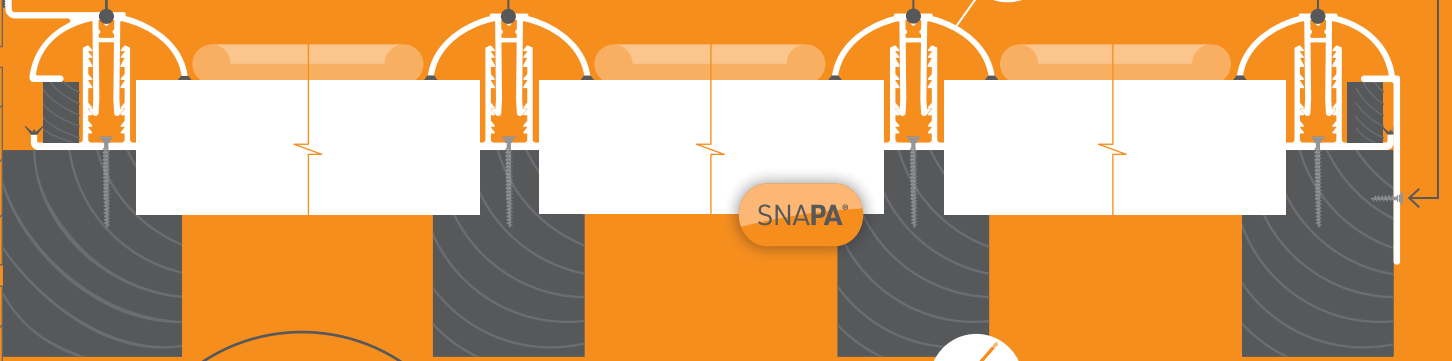
Securbond® flashing tape or LMN silicone sealant

7

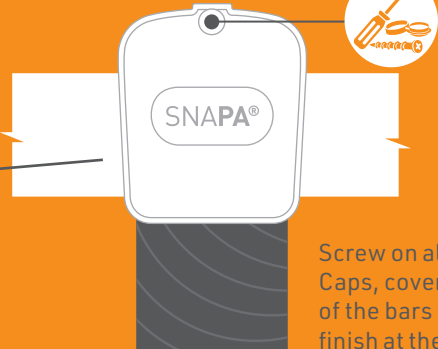
Fit the **Snapa® Top Clip bars** to secure the glazing panels in place

Add additional screws for roofs located in exposed areas.

Gently **tap** the **Snapa® wall, standard bar and gable top caps** using a **soft / rubber headed hammer** to ensure that the top caps are securely fixed in the correct position.



Side detail




Screw on all the **Snapa® End Caps**, covering the open ends of the bars to creating a neat finish at the front of the roof.

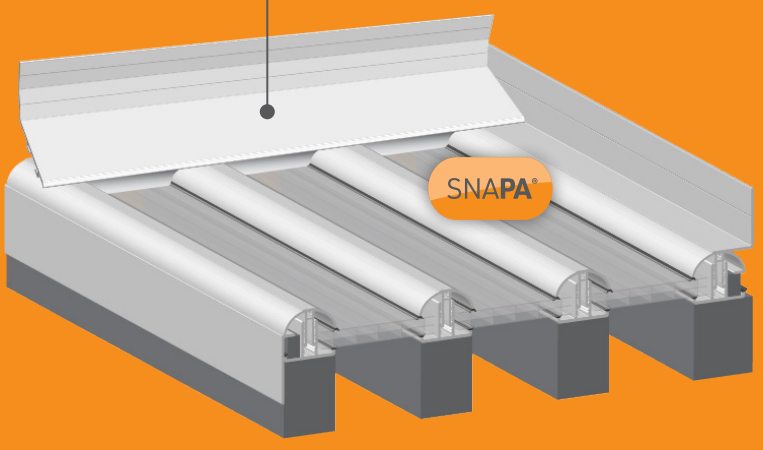
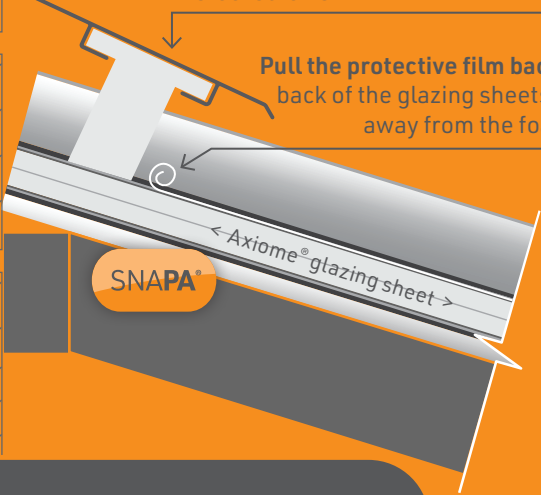
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Finish the back of the roof by fitting the **Snapa® Top Wall Flashing**

Position, measure and cut the Snapa® Top Wall Flashing and foam gasket across the **entire width of the roof**. Place the top wall flashing on your roof and mark where the foam gasket meets each glazing bar. Then **cut out a notch the size of the glazing bar** so that the **foam gasket lies flat on the Axiome® sheet** between each glazing bar.

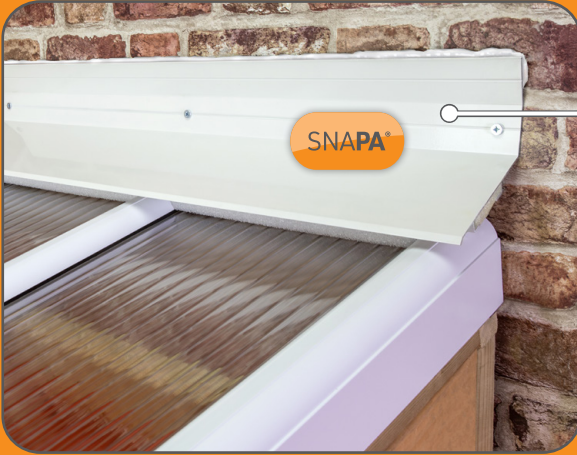
 Push down the prepared **Snapa® Top Wall Flashing** with the prepared gasket in place and fix to the wall using suitable stainless steel screws.

Pull the protective film back from the back of the glazing sheets, pulling it away from the foam gasket.



 [Video: How 2 Install Snapa Top Wall Flashing](#)

9 Complete the roof structure by applying **Securbond® LMN silicone sealant** or fitting **Securbond® Flashing Tape** to the wall to create a waterproof seal

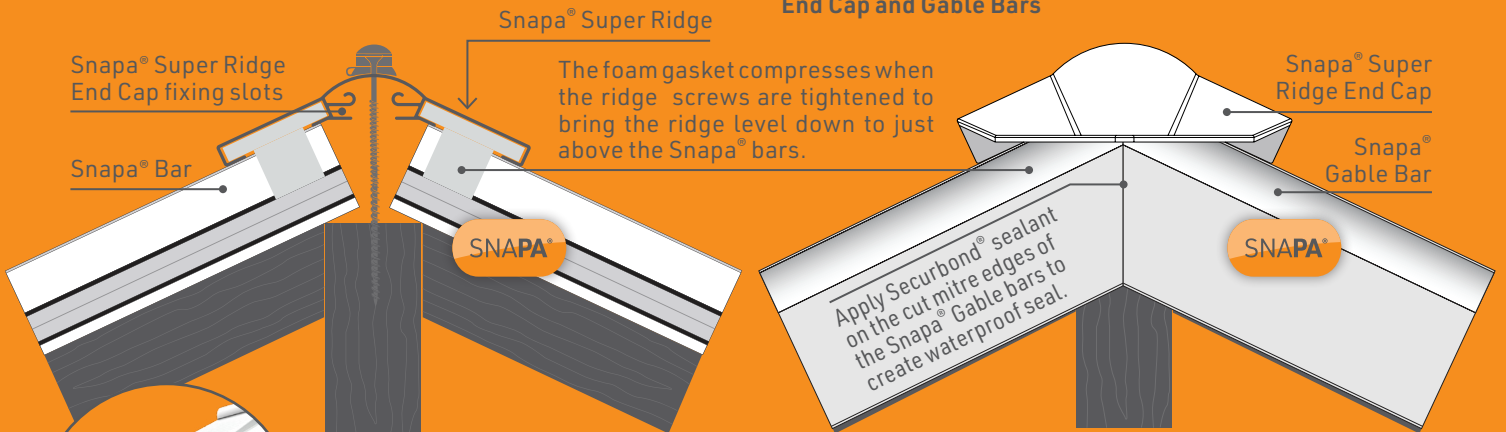


IMPORTANT: Once the Snapa® bars and Axiome® sheets have been fully installed, **remove the protective film from the bars and sheets.** To clean the Axiome® sheet use plenty of clean, soapy water and a soft, abrasive-free cloth.

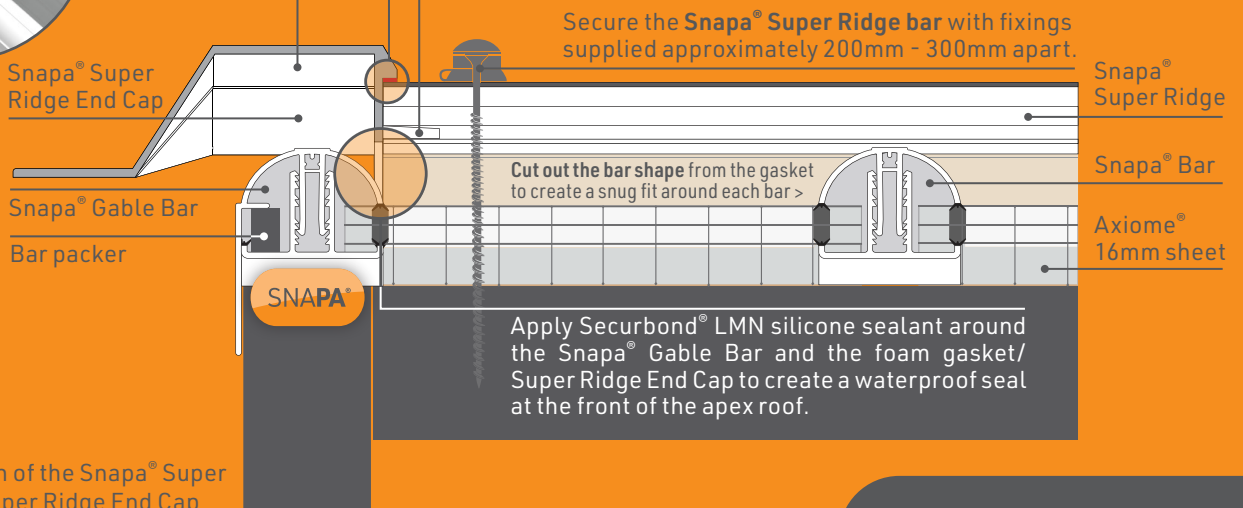
10 Measure and fit the **Snapa® Super Ridge and Super Ridge End Cap** to the apex of a double sided roof.

Detail of the Snapa® Super Ridge and Foam Gasket

Detail showing the front view of the Snapa® Super Ridge End Cap and Gable Bars



Apply **Securbond® LMN silicone sealant** to both **fixing claws** and **under the rear edge of the end cap** to secure and seal the joint around the super ridge and the end cap.



Cross section of the Snapa® Super Ridge and Super Ridge End Cap

WARNING : REGISTERED DESIGNS & PATENTS

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determine the suitability of the material for their application. Installers should satisfy themselves that published permissible loadings and bar spacings for Snapa® structures, together with any supporting posts, frames, or walls and fixings, are sufficient to provide adequate strength for the intended use and to meet regional loading requirements. Installers should also obtain their own job-specific structural engineer's report for their individual site. Samples are readily available to users to test and verify the exact sizes according to their site requirements.