

SNAPA®

Snap Fix Glazing Bar System Technical Guide



Snap Fix Rafter Top Glazing Bar

The SNAPA® Rafter Top Glazing Bar is extruded as a low cost budget glazing bar. The SNAPA® glazing bar works well with 10mm, 16mm, 25mm, 32mm and 35mm AXIOME® multiwall polycarbonate sheet. Whilst SNAPA® bars are ideal for smaller DIY type projects, where greater longevity or strength are required, ALUKAP®-XR glazing bars are recommended.

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



SNAPA® : Lean-to Bar

SNAPA® bar glazing system has been designed and manufactured to with multiple click connection points so that it will work well with AXIOME® multiwall of almost any thickness. The high quality PVC profiles are extruded with a significant wall thickness providing a high degree of strength and rigidity.

Lean-to Bar



Length	Description	Code
2.0m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG18W
2.5m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG19W
3.0m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG13W
4.0m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG15W
5.0m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG14W
6.0m	SNAPA® Lean-to Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG16W

SNAPA® : Gable Bar

Finishing off the last rafter on a roof has previously been a challenging compromise of time, aesthetics, and quality of waterproof seal. The new 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.

Gable Bar



Length	Description	Code
2.0m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG320W
2.5m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG325W
3.0m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG330W
4.0m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG340W
5.0m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG350W
6.0m	SNAPA® Gable Bar 10, 16, 25, 32, & 35mm - Inc Endcap White	AG360W

SNAPA® : Endcap

The SNAPA® Endcap is designed to provide an aesthetically pleasing finish to the ends of the SNAPA® glazing bar. A simple screw with cap locates in to the top of the bar and covers the end section of the glazing bar whatever height of glazing is used.

Endcap



Description	Code
SNAPA® Bar Endcap - White	AG17W

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 End Stop, puts a stop to that!

Endstop Bar



Length	Code (6.4mm)	Code (10mm)	Code (16mm)	Code (25mm)	Code (28mm)	Code (35mm)	Code (78mm)
3.0m	-	AKX106	AKX112	AKX118	-	AKX130	-
3.6m	-	AKX108	AKX114	AKX120	-	AKX132	-
4.8m	AKX104	AKX110	AKX116	AKX122	AKX128	AKX134	AKX140

Designed to Suit Almost any AXIOME® Multiwall Thickness

SNAPA® bar glazing system has been designed and manufactured to with multiple click connection points so that it will work well with AXIOME® multiwall 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.

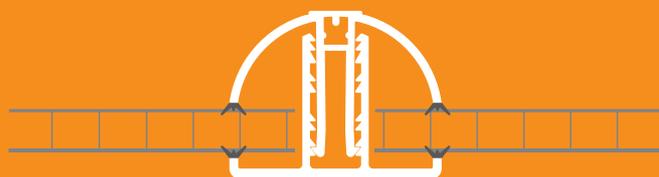


Diagram showing SNAPA® bar with 10mm AXIOME®

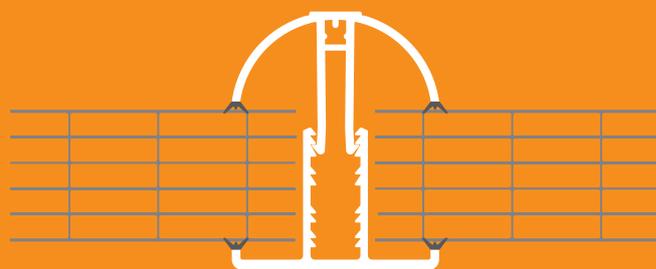


Diagram showing SNAPA® bar with 32mm AXIOME®

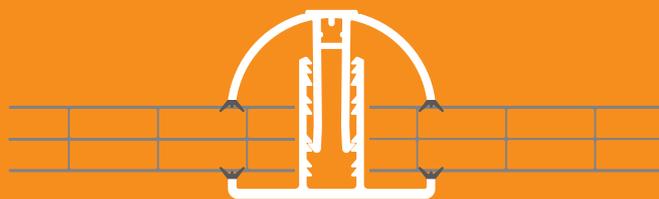


Diagram showing SNAPA® bar with 16mm AXIOME®

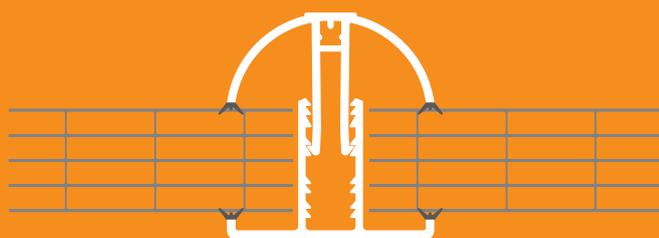


Diagram showing SNAPA® bar with 25mm AXIOME®

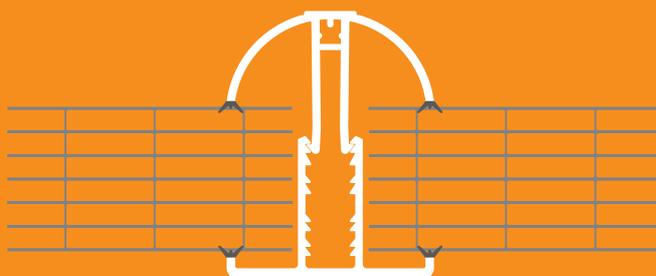
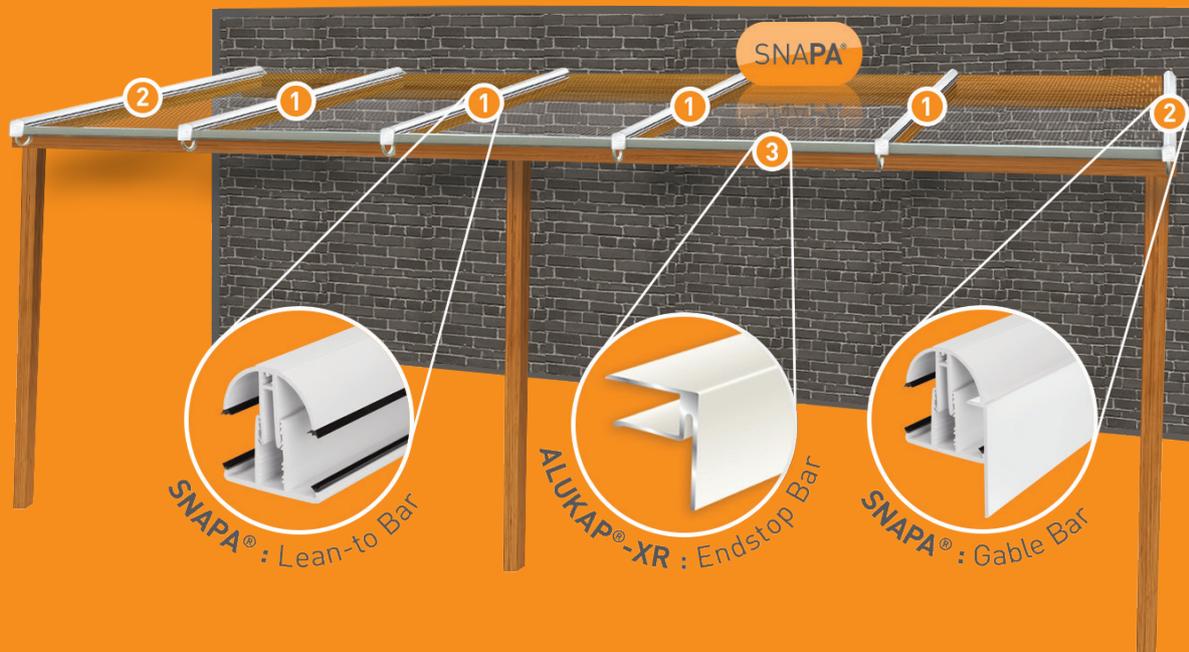


Diagram showing SNAPA® bar with 35mm AXIOME®

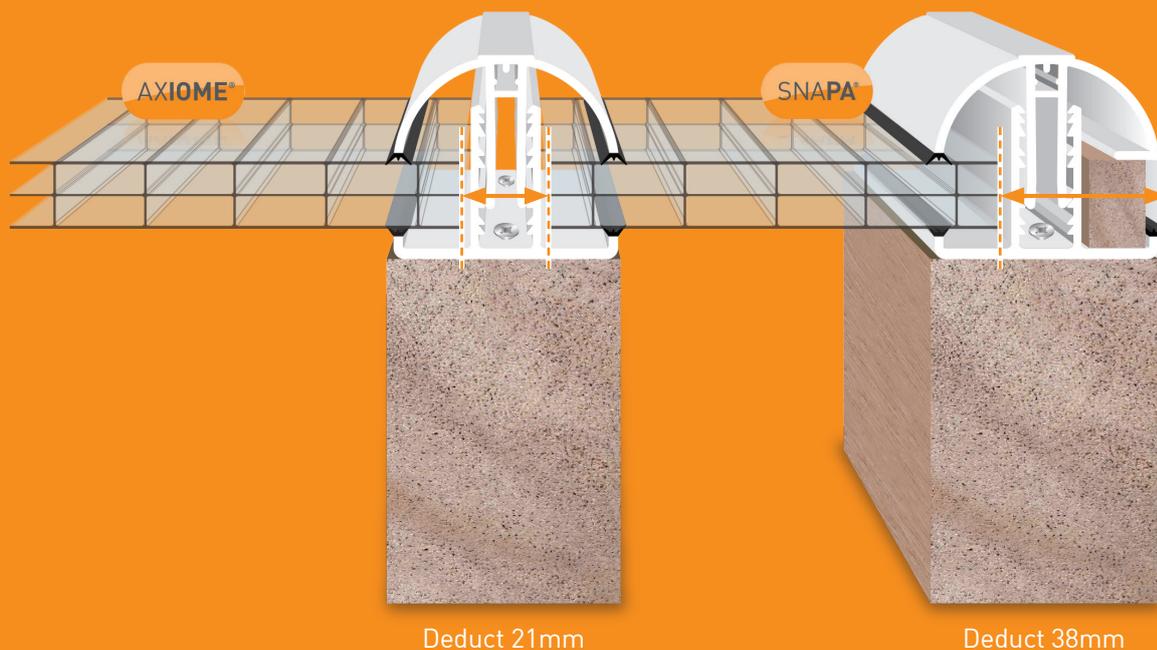
SNAPA® : Typical Roof Component Assembly Example

SNAPA® Rafter Supported Lean-to

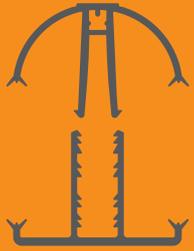


SNAPA® : Glazing Deductions

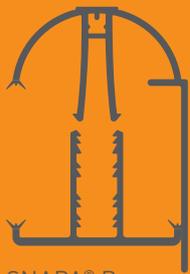
Glazing deduction guidelines for the SNAPA® bar system are shown on this diagram. Samples are readily available to users to test and verify the exact sizes according to their site requirements.



SNAPA® : Installation Guide



SNAPA® Base Bar and Standard Top Clip Bar



SNAPA® Base Bar and Gable Top Clip Bar



SNAPA® End Cap



ALUKAP®-XR
Anti-dust Tape (breathable)



Timber battens



Endstop Bar

Tools required



Protective gloves and glasses



Circular saw and a cordless screwdriver with a drill bit holder / extension



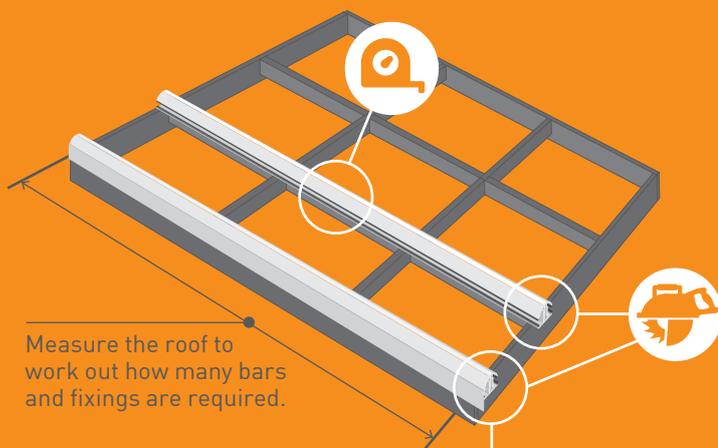
Tape measure, Philips headed screwdriver, soft / rubber headed hammer, a straight edge tool and AXIOME® compatible sealant plus a sealant gun

SNAPA® : Installation Guide

1

Take all **measurements** of the roof and glazing bars

IMPORTANT: Wear sufficient protective clothing



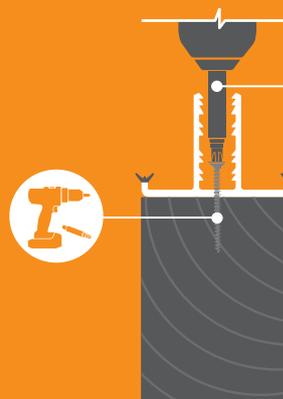
Measure the roof to work out how many bars and fixings are required.

Measure and cut the SNAPA® bar and SNAPA® Gable bars to length, **30mm-40mm longer than the rafter** so they overhang into the correct position for the gutter end of the roof.

2

Fix **all the base bars** to the top of the timber rafters

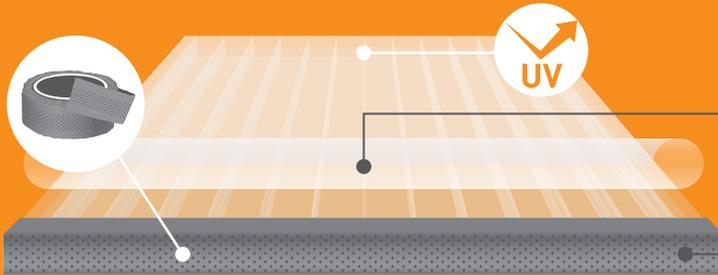
NOTE: Remove the protective amber film supplied on the SNAPA® base bar before fixing them to the rafters.



Attach the bit holder/extension to the power drill and screw all the fixings in the center of the SNAPA® base bar **every 200mm - 300mm intervals** down onto the timber rafters.

3 Prepare the AXIOME® sheets by **applying the ANTI-DUST TAPE**

IMPORTANT – Store the AXIOME® sheets in a **clean, dry area**. All adhesives suffer reduced initial bonding strength in cold conditions – **avoid applying tape below 5°C**. The AXIOME® branded tape side is **UV protected**.



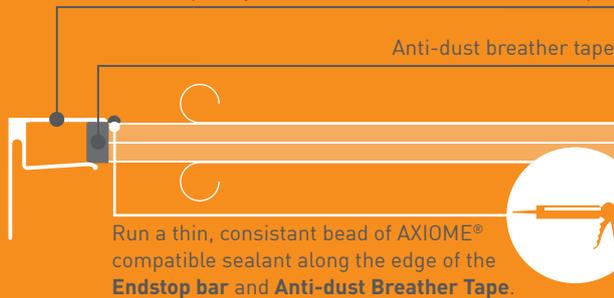
Ensure that you are working in a **clean dry area**, **pull the protective film back on both sides approximately 100mm from the open edge**, taking care not to scratch the surface.

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.



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 sealant, creating a seal that eliminates capillary action.

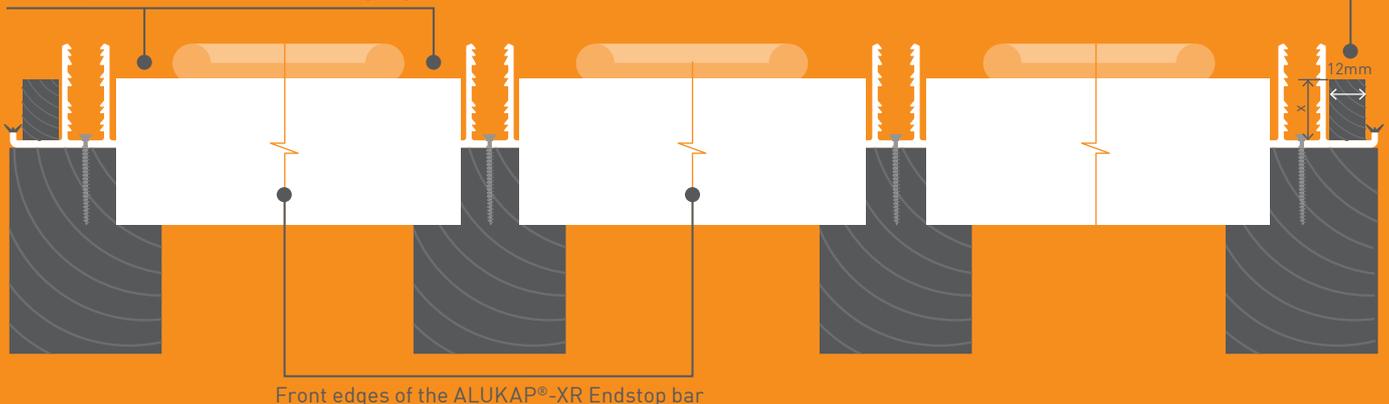


6 Fit the **AXIOME® sheets** and **Endstop bars** to the SNAPA® base bars

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

Pull back the protective film about 25mm on the remaining sides to allow for the bar top caps.

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 battens **width is 12mm** and height (x) equates to the glazing thickness plus 2mm.

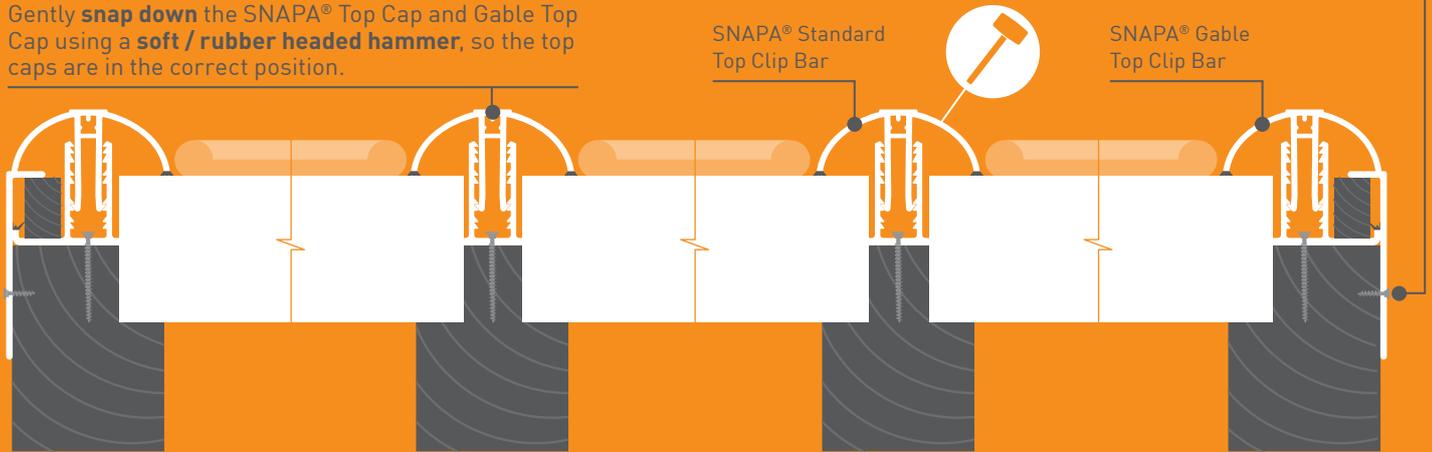


7

Fit the **SNAPA® Top Clip Bars** to fix the glazing in place

Gently **snap down** the SNAPA® Top Cap and Gable Top Cap using a **soft / rubber headed hammer**, so the top caps are in the correct position.

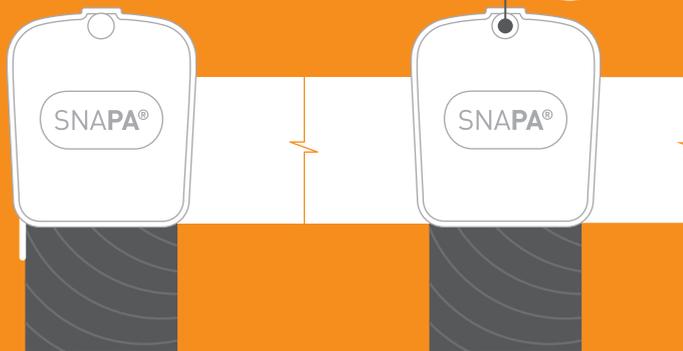
Add extra anchoring screws for roofs in exposed areas.



8

Remove the film and fit the **Endcaps** to the glazing bars

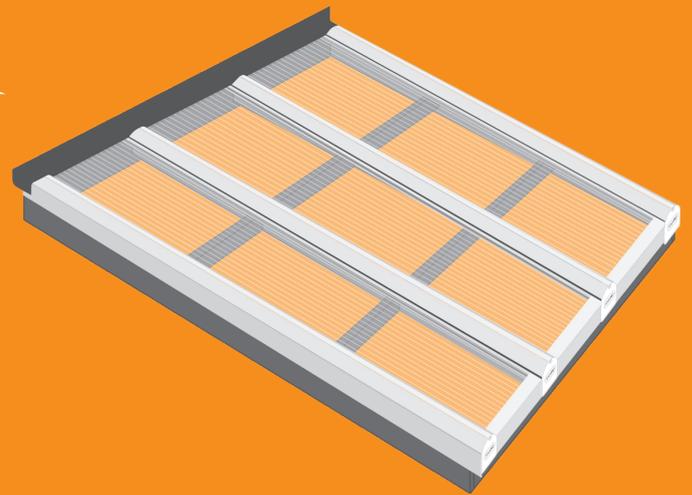
Screw on the **SNAPA® Endcap** covering the **open ends of the SNAPA® bars** to creating a neat finish to the roof



9

Completed roof structure

IMPORTANT – Once the SNAPA® bars and AXIOME® sheets have been fully installed, **remove the protective film from the top bars and sheets**, making sure that it's clean before removal. To clean the AXIOME® sheet use plenty of clean, soapy water and a soft, abrasive-free cloth.



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