SNAPA®

Snap Fix Glazing Bar System
Technical Guide

SNAPA®

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Snap Fix Rafter Top Glazing Bar

The SNAPA® Rafter Top Glazing Bar is extruded as an easy-to-install 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 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® : Lean-to Bar

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.

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 install time, aesthetics, and the struggle of creating a 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® : Wall Bar

In a world first, the new 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.

Wall Bar

NEW

Length	Description	Code
2.0m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG420W
2.5m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG425W
3.0m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG430W
4.0m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG440W
5.0m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG450W
6.0m	SNAPA® Wall Bar 10, 16, 25, 32 & 35mm - Inc Endcap White	AG460W

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.

Top Wall Flashing

NEW

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® : Endcap

The SNAPA® Endcap is designed to provide an aesthetically pleasing finish to the ends of the SNAPA® 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.

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!
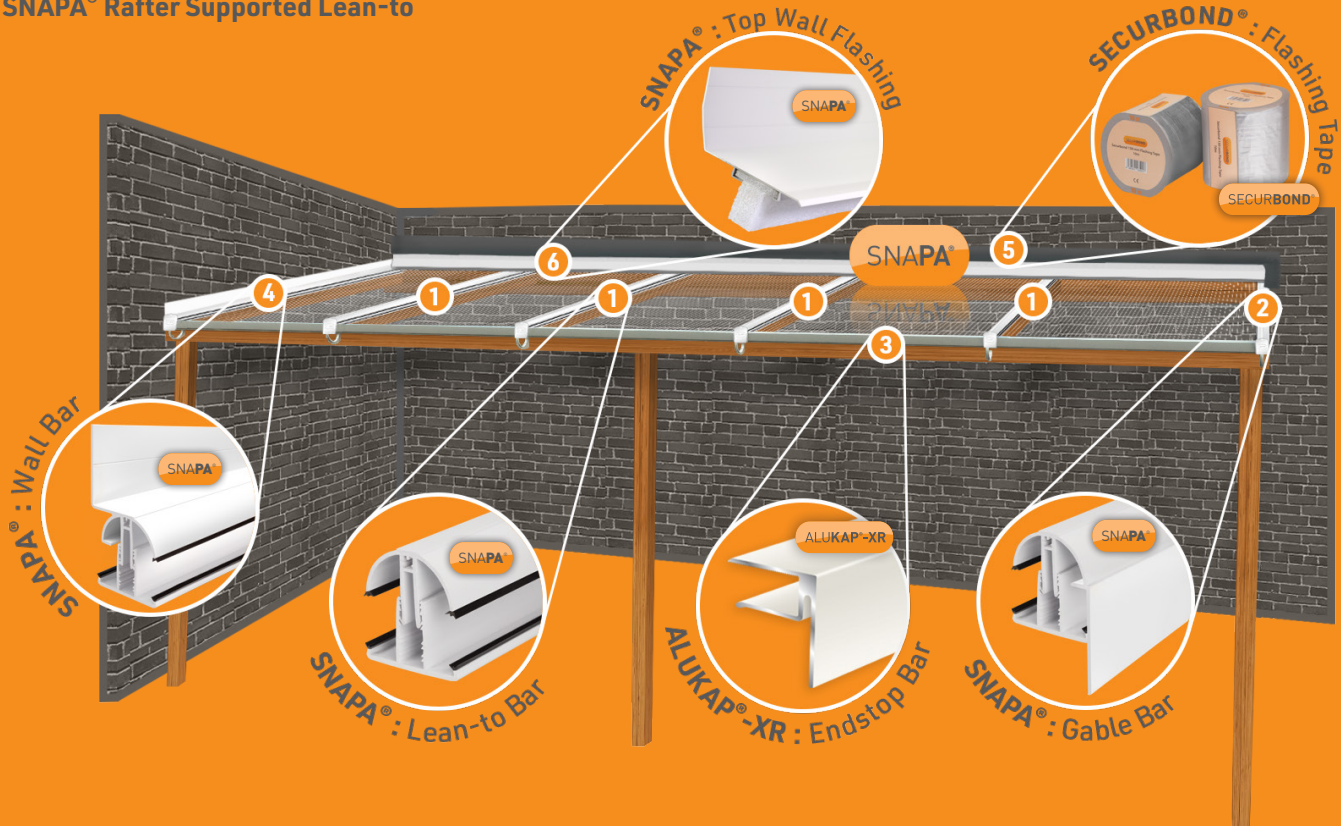
Endstop Bar

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

SNAPA® : Typical Roof Component Assembly Example

SNAPA® Rafter Supported Lean-to

SNAPA® : Top Wall Flashing

SECURBOND® : Flashing Tape

SNAPA® : Wall Bar

SNAPA® : Lean-to Bar

ALUKAP®-XR : Endstop Bar

SNAPA® : Gable Bar

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.
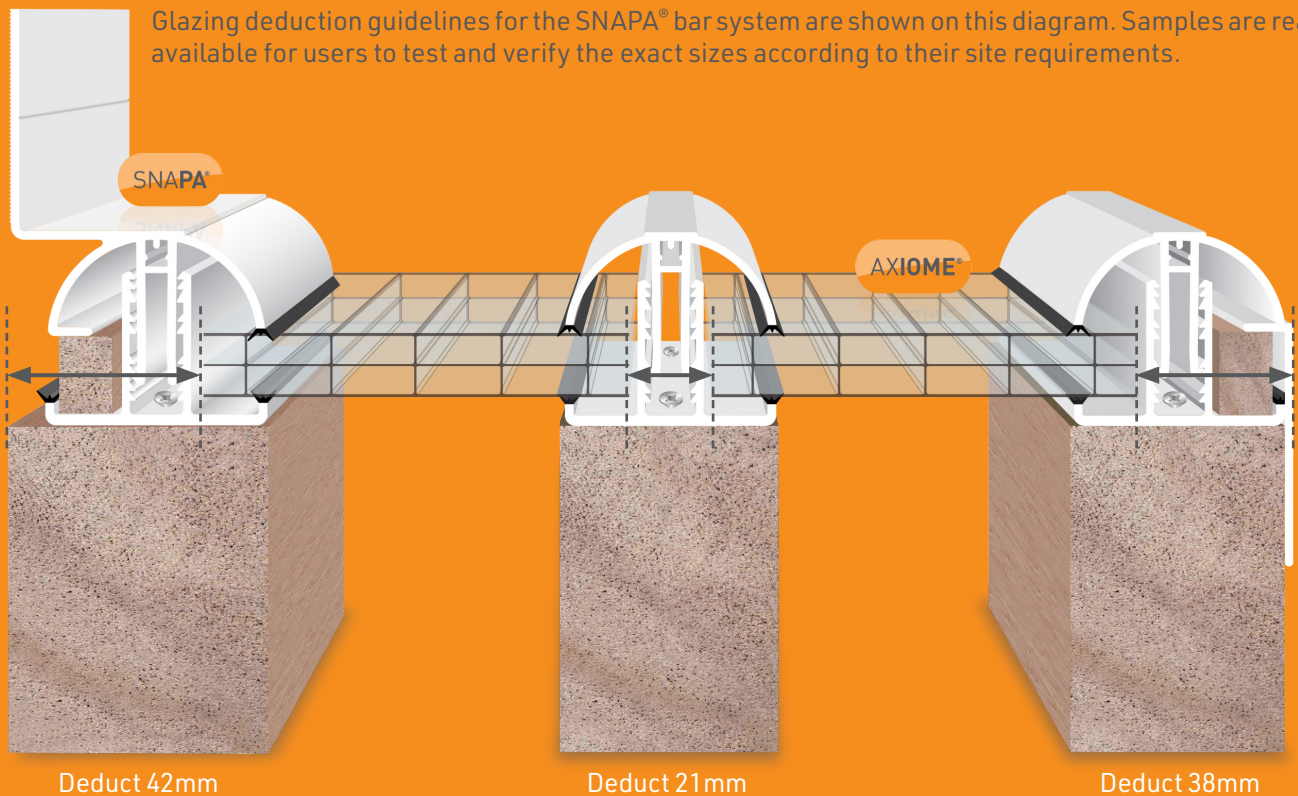
Deduct 42mm

Deduct 21mm

Deduct 38mm

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.
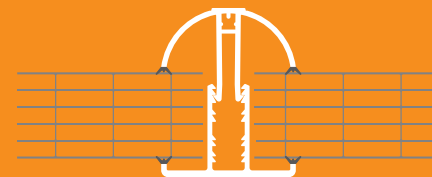
SNAPA® bar with **10mm AXIOME®**

SNAPA® bar with **16mm AXIOME®**

SNAPA® bar with **25mm AXIOME®**

SNAPA® bar with **32mm AXIOME®**

SNAPA® bar with **35mm AXIOME®**

SNAPA®: Installation Guide

Wall Bar Top Clip

NEW

Standard Top Clip

Gable Top Clip

NEW

Top Wall Flashing plus Foam Gasket

SNAPA® End Cap

Endstop Bar

Anti-dust Tape (breathable)

Timber battens

SECURBOND® Flashing Tape

Tools required

Protective gloves and glasses

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

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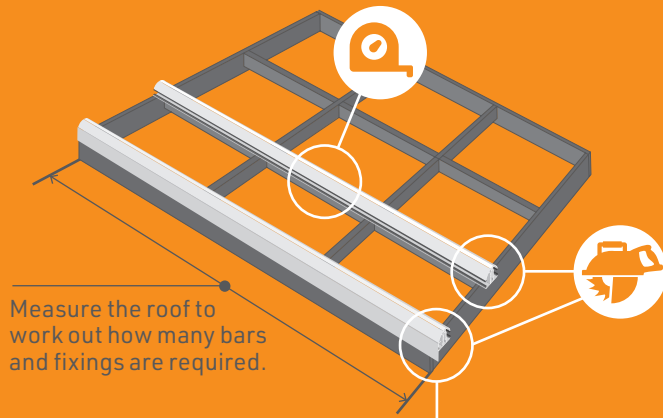
Measure and cut the SNAPA® bar and SNAPA® Gable bars to length, **30mm-40mm longer than the rafter** so they overhang into the correct position for the gutter end of the roof.

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 centre of the SNAPA® base bar **every 200mm - 300mm intervals** down onto the timber rafters.
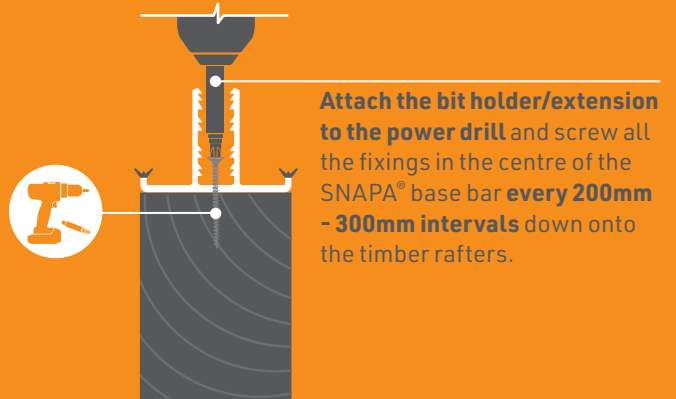
3 Prepare the AXIOME® sheets by **applying the ANTI-DUST TAPE**

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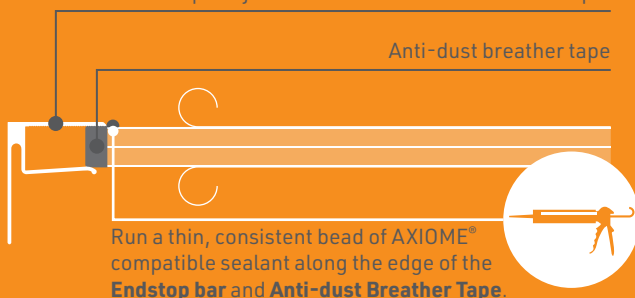
UV
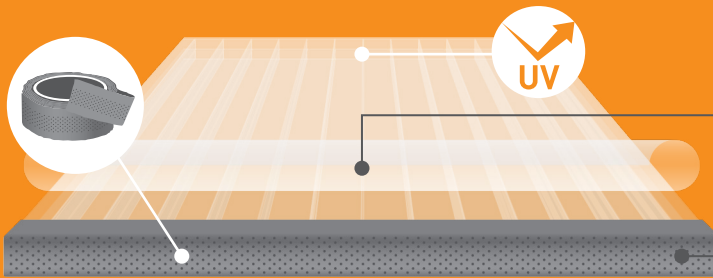
Ensure that you are working in a **clean dry area, pull the protective film back on both sides approximately 100mm from the open edge**, taking care not to scratch the surface.

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.

Anti-dust breather tape

Run a thin, consistent bead of AXIOME® compatible sealant along the edge of the **Endstop bar** and **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.

UV Protected side up

**The AXIOME® sheet is now ready for installation**.

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**.

12mm

Front edges of the ALUKAP®-XR Endstop bar
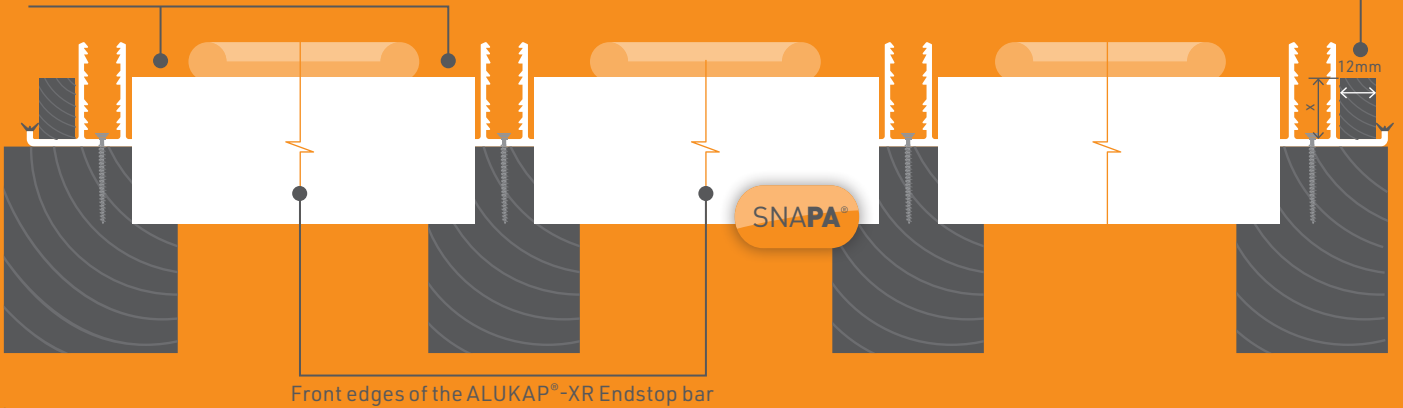
SECURBOND® Flashing Tape

7

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

Gently **snap down** the SNAPA® Wall Top Cap, Standard 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.

SNAPA® Standard Top Clip Bar

SNAPA® Gable Top Clip Bar
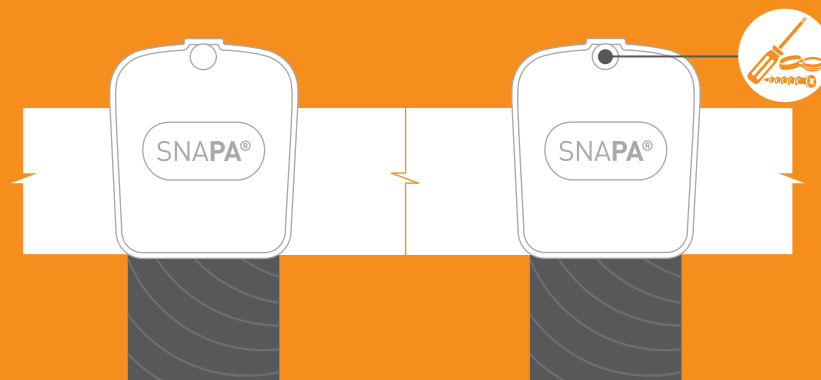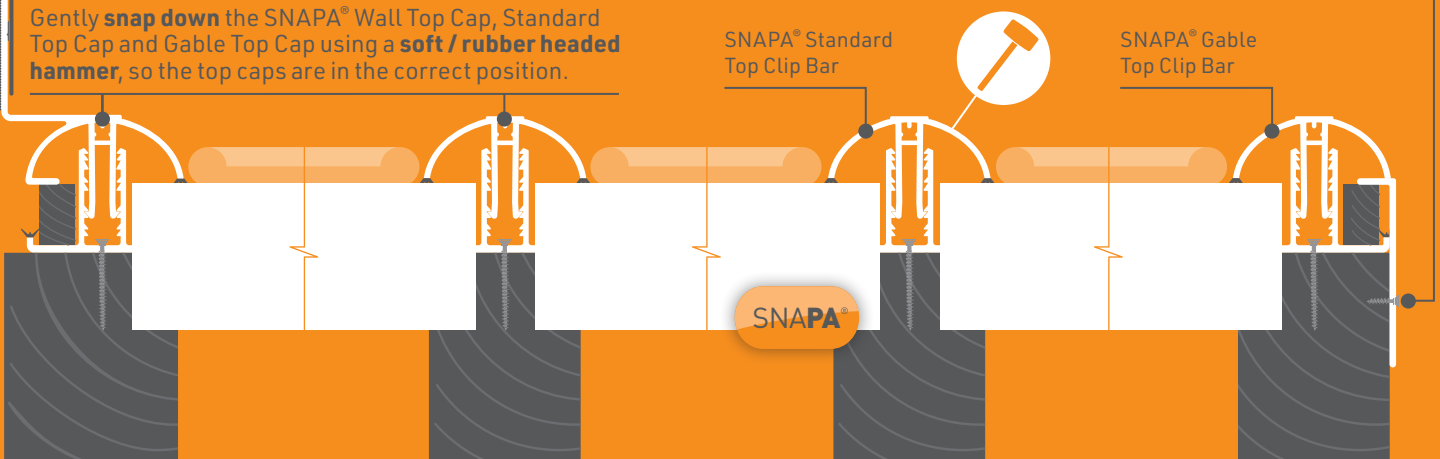
Screw on all the **SNAPA® Endcap covering the open ends of the SNAPA® bars** to creating a neat finish at the front of the roof

8 Finish of the back of the lean-to roof — fit the **SNAPA Top Wall Flashing**

Place, **measure** and **cut** the aluminium **SNAPA® Top Wall Flashing** and **foam gasket** to match the full width of the roof. Place the Top Wall Flashing onto your roof and mark on the foam gasket where each glazing bar meets Top Wall Flashing. Then cut out a notch at each mark so that the Foam Gasket sits flat on the AXIOME® Sheets and over each Glazing Bar. Alternatively, you can simply apply downward pressure to compress the foam gasket at each glazing bar to ensure the Foam Gasket Seals against the AXIOME® Sheets properly.

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 enough to clear the foam gasket.
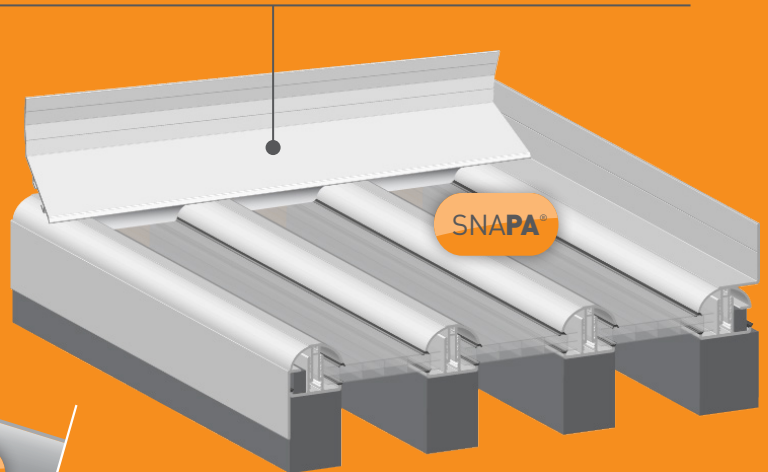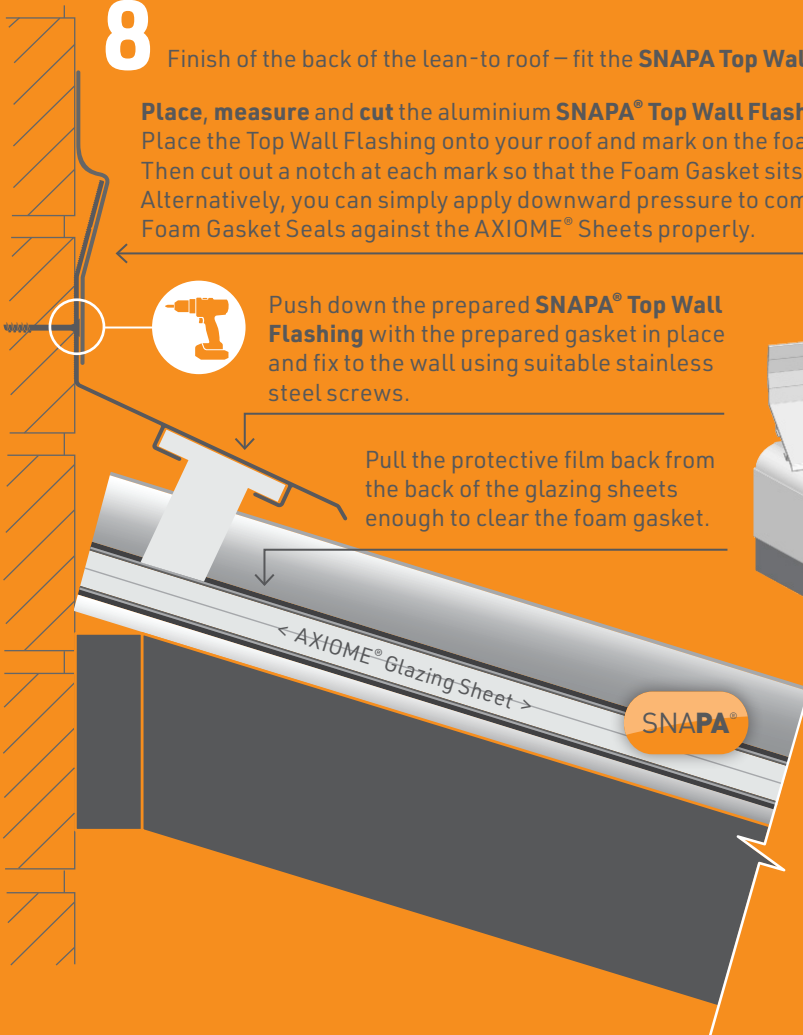
← AXIOME® Glazing Sheet →

Illustration of the SNAPA® Top Wall Flashing

9 Complete the roof structure by fitting **ALUKAP®-XR SECURBOND® Flashing Tape** to the wall to create a waterproof seal

SECURBOND®

SNAPA®

AXIOME®

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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