

Superior Roof Glazing System Installation Guide





Your ALUKAP®-XR System

Whether you are planning your next project using ALUKAP[®]-XR, or have just purchased your ALUKAP[®]-XR system, this *Installation Guide* provides the information you may require to make the installation of your ALUKAP[®]-XR system straightforward. The system is inherently intuitive, however these guidelines will provide an additional layer of support, no matter how complex your project is.

We Are Here To Support You

We understand that even with comprehensive Installation Guidelines, there can sometimes be a question that you can't find the answer to, so we're here to help you all the way. Visit **www.clearamber.com** and get in contact with our Help Teams via live chat, phone or email, who will be on hand to assist with any queries you may have.

Index:

Part 1 : ALUKAP [®] -XR Bar Parts Available https://www.clearamber.com/browse/tc-ALUKAP_XR-217/	
ALUKAP [®] -XR : Bar Parts Available	3
ALUKAP [®] -XR : Bar and Glazing Installation Guide	4-7
Part 2 : ALUKAP [®] -XR Additional Parts Available https://www.clearamber.com/browse/tc-ALUKAP_XR-217/	
ALUKAP [®] -XR : Additional Parts Available	8
ALUKAP [®] -XR : Hip Bar	9
ALUKAP [®] -XR : Roof Lantern End and Lantern Caps	9-10

ALUKAP[®]-XR : Valley Bar

ALUKAP[®]-XR : Horizontal Glazing Bar

13

13

Part 1 : ALUKAP[®]-XR Bar Parts Available

Below is a list of the core ALUKAP[®]-XR Glazing Bar types available and items that could be supplied with each bar, most of which you will need for your project, depending on the design of your project.



Tools Required



Protective gloves and glasses

Tape measure and fine toothed bladed Chop Saw



Cordless screwdriver/drill, Philips headed screwdriver, soft rubber headed hammer, a straight edge tool and AXIOME[®] compatible sealant plus a sealant gun.

ALUKAP[®]-XR : Bars and Glazing Installation Guide



Leave the protective film on both sides while building your roof.



T 1 Fit the ALUKAP End Cap to the front of eacl

- 1. Place the ALUKAP[®] End Cap into place at the end of the base bar butting up against the ALUKAP[®]-XR End Stop Bar / glazing material.
- 2. Make a marking on the base bar to position the screw fixing, remove the End Cap and drill a 2.5mm hole into the ALUKAP[®]-XR base bar to suit the screw for the ALUKAP[®]-XR End Cap.
- 3. Place the ALUKAP[®] End Cap back into place and use the short screw provided to secure in place.



Make any ADDITIONAL SEALS with a suitable sealant as required where the Alukap-XR base bar makes any abutments or connections to Walls, Hip bars or Ridge bars.

ofea	ach bar	
		\bigcirc
•	Sociologicas	
		Timber Rafter
nt es or		



12

Measure and cut the ALUKAP®-XR Top Clips for each bar

- 1. Carefully cut the ALUKAP[®]-XR Wall, Standard Bar and Gable Bar Top Clips to the accurate length required including any mitre or angled cuts for a perfect aesthetically pleasing finish.
- For sealing the ALUKAP[®]-XR Wall Bars to the wall, administer a suitable sealant to the ribbed backing of the ALUKAP[®]-XR Wall Bar to create an abutment to the adjacent wall. Then dress a lead flashing or flashing tape over the upstand of the ALUKAP[®]-XR Wall Bar.



13 Fit the ALUKAP[®]-XR Top Clips to each bar

- Using a suitable rubber/plastic headed hammer, carefully snap the ALUKAP*-XR top clips onto the base bar along the whole length concealing the fixings.
- For sealing the completed roof structure at the back, administer a suitable sealant or fit lead flashing or flashing tape across the back wall, dressing it down over the glazing by approximately 150mm-200mm depending on your pitch.



Illustration of the ALUKAP[®]-XR Top Wall Flashing

Part 2 : ALUKAP[®]-XR Additional Parts Available



ALUKAP[®]-XR : Hip Bar



ALUKAP[®]-XR : Roof Lantern End and Lantern Caps

16a The ALUKAP[®]-XR Radius End Cap

The ALUKAP[®]-XR Hip Bar can also be used to **create a roof lantern**. The ALUKAP[®]-XR Roof Lantern Pinnacle Top Cap and Radius End Cap are designed to work in conjunction with the ALUKAP[®]-XR Hip Bar for this purpose.



Fix the ALUKAP[®]-XR Radius End Cap to the end of the ALUKAP[®]-XR Hip Base Bar, once secured snap the umbrella-type top cap to the base bar, administer a suitable sealant to make a water tight finish.



16b The ALUKAP[®]-XR Roof Lantern Pinnacle Top Cap

Apply the **ALUKAP[®]-XR Pinnacle Top Cap** where all the ALUKAP[®]-XR Hip Bars meet together to provide an umbrella style cover to the Pinnacle area of the Roof Lantern. Apply a small amount of suitable low-modulus neutral-core silicon to the recessed groove on the ALUKAP[®]-XR Pinnacle Top Cap to secure the small top cap into place concealing the fixing and giving a water tight finish to your structure.



ALUKAP[®]-XR : Ridge Bar

The **ALUKAP®-XR Ridge System** is designed for larger full ridge applications. The following information shows various options whilst installing the ALUKAP®-XR Ridge system, whether you prefer to add Crests, Finials or have a plain finish.





 Drill a 14-15mm diametre hole through the top of the ALUKAP[®]-XR Ridge Radius End Cap half way through the top cap and the lower fixing plate.

- 2. **Apply a suitable sealant** to the upper surface of the ALUKAP[®]-XR Radius End Cap where the ALUKAP[®]-XR Ball Finial will connect and also to the underside matching area of the ALUKAP[®]-XR Ball Finial.
- 3. Fix the ALUKAP[®]-XR Ridge Radius End Cap and ALUKAP[®]-XR Ball Finial to the ALUKAP[®]-XR Ridge Base Bar and secure with the supplied fixing screw. Seal any abutments and connections with a suitable sealant.

4. Place the ALUKAP[®]-XR Ball Finial on top of the ALUKAP[®]-XR Ridge Radius End Cap resting on the flat part of the End Cap and fix the bolt throught the underside of the ALUKAP[®]-XR Ridge Radius End Cap making sure the Ball Finial is tightly secured.

1. Follow steps 1 and 2 of Section 16b.

Ridge Top Clip.

2. Slide the ALUKAP-XR Finial into position along the top slot of the ALUKAP-XR

SECTION DETAIL - BALL FINIAL

www.clearamber.com | 11

ALUKAP*-XR

ALUKAP'-XR

178 Fitting the ALUKAP°-XR Ridge Radius and Gable End Caps to the ALUKAP°-XR Base Bar

ALUKAP[®]-XR Ridge Bar



ALUKAP[®]-XR : Valley Bar



ALUKAP[®]-XR : Horizontal Glazing Bar



WARNING : REGISTERED DESIGNS & PATENTS

The IP of the designs in this brochure are protected by internationally registered design rights. Many products are also protected with active or pending Patents. Clear Amber will not be heat to take appropriate legal action if its rights in this respect are infringed.

Disclaimer

Once $\mathsf{AXIOME}^{\bullet}$ multiwall polycarbonate sheet has left our warehouse, we cannot control transportation, storage, installation or handling, nor can we influence installation conditions, Clear Amber Group cannot be held responsible

© Copyright – Clear Amber Group Ltd – August 2022. No part of this publication may be copied, reproduced, scanned, or stored in any electronic database, whether in whole or in part, in any form or by any means, without permission in writing from Clear Amber. Clear Amber will not hesitate to take appropriate legal action if its rights in this respect are infringed.

in any way for condensation issues or other installation problems that may arise, or any associated remedial work. All advice is offered in good faith based on our experience. Installers should apply best practices before and during installation

Inasmuch as Clear Amber have no control over the circumstances in which our material may be used, or site specific parameters, we cannot guarantee that any particular results will be achieved. Users should carry out their own tests to determine the suitability of the material for their application.



ALUKAP-XR[®] INSTALLATION GUIDE | V2.08 | 08-22