



SUPREME
PLASTIC ROOFING

ASTARIGLAS®
SPECIALISED ACRYLIC SHEET FOR GLAZING



Innovative. Versatile. Superior.

Create and enhance your outdoor entertainment area with contemporary, beautifully stylish **Astariglas** Specialised Acrylic Sheet for glazing



ASTARIGLAS®

SPECIALISED ACRYLIC SHEET FOR GLAZING



THE PRODUCT

Astariglas cast acrylic sheet is a highly versatile and widely used product and comes in a range of colours and thicknesses. Acrylic is extensively used in building and glazing, it is amongst the most scratch resistant of all thermoplastics and its transparency, gloss and dimensional shape are virtually unaffected by exposure to the elements. Compared to glass, Astariglas is lighter and stronger and provides improved noise reduction and is a better thermal insulator.

WARRANTY

With a Limited Lifetime warranty, you can be sure that your Astariglas Glazing Panels will not only look good, they will also last.

APPLICATIONS

- Pergolas
- Greenhouses
- Windows
- Awnings
- Verandas
- Sunrooms
- Skylights
- Wind Breaks

TECHNICAL INFORMATION

Colour	Thickness	Sheet size (mm)				Light Transmission	Thermal Expansion
		2440 x 1220	1525 x 2050	3050 x 2050	1025 x 3050		
Clear	3	x	x	x	x	92%	2.1mm / m
	4.5	x	x	x	x	92%	2.1mm / m
	6	x	x			92%	2.1mm / m
	8	x				92%	2.1mm / m
	10	x	x	x	x	92%	2.1mm / m
Light Grey Tint	3	x				31%	2.1mm / m
	4.5	x				31%	2.1mm / m
	6	x	x	x	x	31%	2.1mm / m
Opal Frost	3	x				78%	2.1mm / m
	4.5	x				78%	2.1mm / m
	6	x				78%	2.1mm / m
	10		x	x	x	78%	2.1mm / m
Clear Frost	2.8	x				91%	2.1mm / m
	4.5	x				91%	2.1mm / m
	6	x				91%	2.1mm / m
Light Bronze	3	x				55%	2.1mm / m
	4.5	x				55%	2.1mm / m
	6	x				55%	2.1mm / m

* Custom cut to size options also available

Weight per sqm (kg)

Thickness	kg / 1 square metre
3	3.57
4.5	5.36
6	7.14
8	9.52
10	11.9

This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Supreme Plastic Roofing Ltd assumes no liability for use of information presented herein.



INSTALLATION GUIDE

1. Measure the distance (length) for the 2 piece joiner. Then cut them to the required size. With the fixings screw, attach the bottom joiner to the rafter or purlin running in the direction of the sheet length. Please note that you will need to allow for the Aluminium joiner gain which is 35mm on the outside and 20mm on the inside joiner. To fix in place, drill through joiner at 400mm intervals (300mm high wind areas) and screw to rafter.
2. On the rafters or purlins that do not have a joiner run the anti-noise tape along the centre to keep the sheet flat. The sticky side goes against the rafter and the smooth side facing up.
3. Measure and cut (if required) the Astariglas to length and width. If you must cut the width of the sheet, use a saw blade that has lots of teeth per inch. Let the blade do all the work do not force the saw as this could result in a stress fracture. If you know the sizes required at time of ordering, the factory can cut these for you at no extra cost. These must be straight cuts.
4. Slide the Butterfly Rubber into the two side channels on the top aluminium joiner. If you are using a joiner for an outside edge you do not need a Butterfly Rubber on the outside edge. This will be replaced with a Butt Rubber.
5. Before placing the sheets into position, remove 100mm of the top and bottom film on the sides which will be going into the joiner. Place the sheets into position and place the top joiner onto the base. Please note that you must place sheets on both sides of the joiner (or Butt rubber for outside edges) before placing the top joiner down. The Aluminium top may require a tap down with a rubber mallet to secure. We would recommend for high wind areas that a fixing at the top, middle and bottom of the joiner be fixed all the way through both top and bottom joiners for added security.
6. Pop rivet the L Caps on the end of the Aluminium Joiners.
7. For the rafters or purlins that do not have a joiner, please drill an oversize hole through the Astariglas sheet and secure with a Stainless Steel fixings and bonded washers. Use a blunt drill bit for this and again do not force the drill.
8. Once all your sheet is installed remove the protection film on both sides if not already done so. This film will either be a paper or plastic film. Please note that you should not leave this protection film on the sheet sitting in the sun for too long or if a paper film, do not get it wet otherwise it may be difficult to remove.
9. Now sit back and enjoy the great outdoors.



Aluminium Joiner showing Butterfly rubber for inside joiners



Aluminium Joiner showing Butterfly rubber and Butt rubber for outside edge



Aluminium Joiner showing Astariglas glass with the butterfly rubber.

Special Instruction Notes:

- Ensure that the roof has a minimum pitch of 5 degrees (87 mm per metre)
- All glazing systems, sealants, gaskets and other materials must be fully compatible with Acrylic
- A frame of 15mm is normally required when glazing. It is also important to add extra space for thermal expansion
- When drilling holes, thermal expansion must be taken into account (ensure holes are 2mm larger than shaft of screws)
- When installing the sheets allow 2mm thermal expansion gap between the side of the joiner and side of sheets
- Do not remove the protection film from the sheet prior to installation, as this may result in unnecessary scratching. The protection film comes in a plastic or paper film and should not be left sitting in the direct sunlight for too long or if a paper film, should not get wet. Otherwise this may become difficult to remove. Remove as soon as possible.
- Do not walk on the Astariglas
- Prior to construction, building regulations should be checked and followed where applicable
- Sheets must not be fixed or clamped too tightly as this will prevent thermal expansion and contraction and will adversely affect the installation



CLEANING

We recommend that the Astariglas sheets be cleaned twice a year.

To clean the sheets, we recommend using a solution of lukewarm soapy water or an ordinary household detergent.

A soft sponge should be used to remove any dirt and grime from the sheet.

Do not scrub the sheet with brushes or sharp instruments and avoid abrasive cleaners of a high alkaline composition.