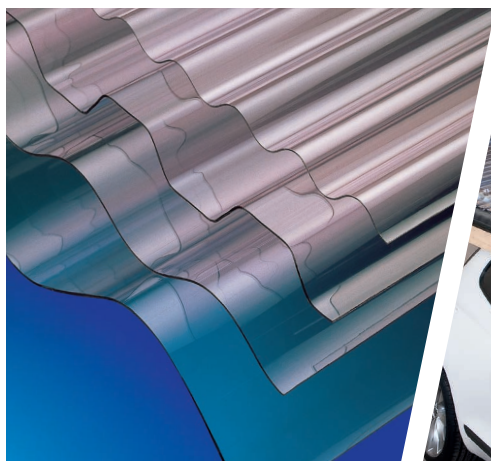




Corrugated PVC Roofing Sheet

Installation Guide

UV RESISTANT
10 YEAR
LIMITED
WARRANTY



- Clear or translucent
- Range of profiles
- UV resistant for durability
- Largely self-cleaning

Available in a
range of sheet
thicknesses

Vistalux corrugated sheeting is the ideal general purpose PVC sheet for roofing and cladding



Vistalux

Corrugated PVC

Economic, lightweight and easy to install, Vistalux PVC is a versatile corrugated rooflight sheet for car ports, canopies and gazebos. It is easy to cut, drill and install with standard DIY tools and is available in a choice of corrugated profiles in clear or translucent tint options.



Ideal for:

- Porches
- Car ports
- Covered walkways
- Splash barriers
- Cloches & coldframes
- Planthouses
- Side cladding
- Clear or translucent
- Range of profiles
- Sheet weights: Lightweight 0.8mm, Heavy Duty 1.1mm, Superweight 1.3mm
- UV resistant for durability
- Largely self-cleaning
- 10 year limited warranty



Watch the installation
VIDEO
arielplastics.com



Profile	Fixing Centre	Recommended Support Centre			Cover Width
		STANDARD	HEAVY DUTY	SUPER	
3" Asbestos	180mm	610mm	762mm	914mm	651mm
6" Asbestos	340mm	-	-	1372mm	1016mm
8/3" C. Iron	152mm	-	762mm	-	608mm
Miniature	120mm	525mm	-	-	603mm

Number of Sheets Required

Divide the roof width by the cover width

Number of Fixings Required

Divide the roof width by the fixing centres

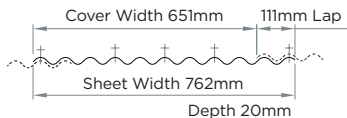
Divide the roof length by the support centres and add 1

Multiply these two values together = approximate number of fixings required

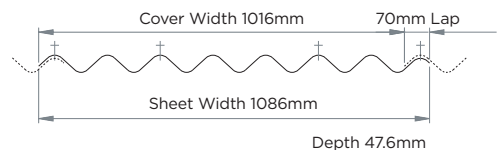
Profile	Standard Vistalux 0.8mm (0.032") thick	Heavy Duty Vistalux 1.1mm (0.044") thick	BS Super Vistalux 1.3mm (0.051") thick
Fire Rating	Class 1 (BS476 Part 7)	Class 1 (BS476 Part 7)	Class 0 - Building Regulations 1992 Approved Document B
3" Asbestos	Clear	Clear	Clear
6" Asbestos	-	-	Clear
8/3" C. Iron	-	Clear	-
Miniature	Clear or Translucent	-	-

* BS Super Vistalux is manufactured to the specification contained in BS4203 (1980)

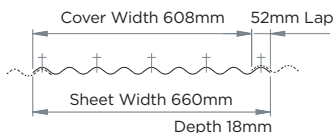
3" Asbestos



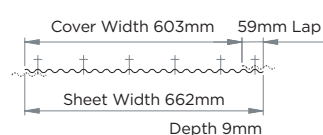
6" Asbestos



8/3" C. Iron



Miniature



 Recommended Fixing Points

The following steps are guidelines for a lean-to or carport installation and images in this guide are for illustrative purposes only. Before starting your project, please refer to the checklist on page 7.

1 Products used for this project are:

Vistalux PVC Sheet
Vistalux PVC Wall Flashing
Vistalux PE Eaves Fillers
Vistalux Super Fixings
Flashing Tape

Roof Slope



A minimum slope of 5° is essential in any structure to ensure water run-off; 10° or more is better.



2 Cutting Sheets

Arrange the sheets loosely on the roof, and mark hole positions and any necessary saw cuts with a felt tip pen.

Sheets should overhang the roof by 60mm to allow rainfall to run-off into the gutter and should be wide enough to cover the barge board at the side.

If cutting is required use an angle grinder with a metal slitting blade or fine tooth saw at a shallow angle with light pressure. Support the sheet to minimise vibrations.

A good tip when cutting, is to sandwich the sheet between other sheets with the part to be removed protruding.

If a sheet has to be cut to a finished width, make the cut in the slope of the corrugated sheet.

Avoid drilling and cutting sheets in very cold weather. Warm sheets will be less prone to damage. If possible store sheets in a warm room before cutting.

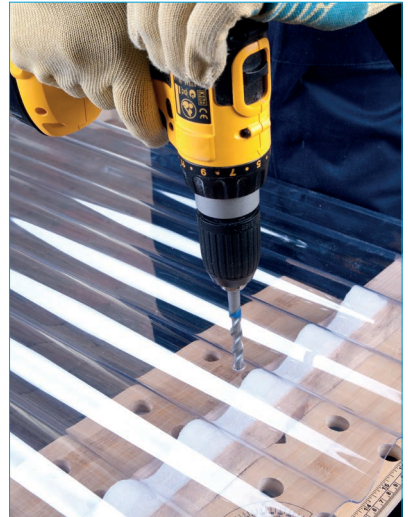


3 Drilling Sheets

Pre-drill sheets before fixing.
Please note - holes for fixings must be drilled larger than the fixing to allow for expansion.
Typically 10mm for a 3m sheet.

Drill sheets singly with a masonry bit, using a low speed drill and light pressure.
Support the sheet securely under each hole position when drilling.

There should be at least 5 fixings per support across the width of the sheet.



4 Flashing

Vistalux wall flashing to match the sheet corrugation is installed at the top of the slope. The Wall Flashing is fixed firmly into position with Butyl wall flashing tape to form a watertight seal between the sheet and the wall.



Watch the installation
VIDEO
arielplastics.com

Sheet Installation

5



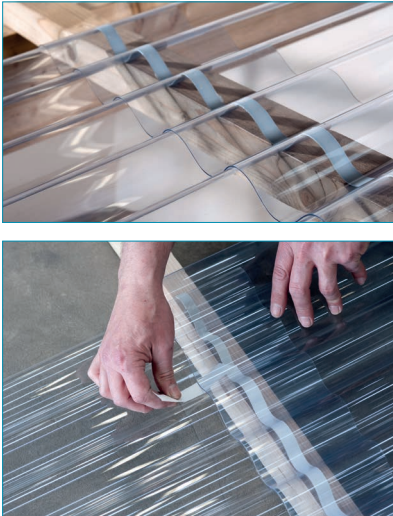
Fixing

Start fixing sheets .

Ariel Foam Fillers are used under the sheets at all support positions to prevent roof 'chatter' and to support the sheets when fixed.

Use Ariel screws, caps and washers to secure the sheet: the screw is sufficiently tight when the washer under its head can just be rotated with finger and thumb.

6



Joining Sheets (end to end)

If sheets need to be joined end to end, ensure an overlap of at least 150mm for a 10° slope or 300mm for a 5° slope.

Use a strip of Butyl Sealing Tape to prevent dust and dirt getting between the sheets.

Checklist

- Refer to page 3 for information on cover widths, fixing centres and number of fixings per sheet.
 - Vistalux can be used in temperature conditions from -20°C to +60°C.
 - Any paints or preservatives applied to the supports must be thoroughly dry prior to fixing the sheet to avoid the sheets from becoming damaged.
 - False ceilings, insulation or any other opaque material must not be placed under the fixed Vistalux sheets, as the temperature in the gap between these and the sheet could rise to over 60°C, and this could lead to distortion or discolouration.
 - Cleaning - Use warm soapy water and a soft cloth or sponge to clean your roof.
 - Storing before use: Storage indoors on a flat dry surface in cool surroundings is preferable. When outdoor storage is unavoidable, store flat on wooden bearers spaced at about 1m (3' 3") centres and cover completely with an opaque light coloured tarpaulin. Stacked sheets left uncovered in direct sunlight will distort due to solar heat gain in the stack.
-

Storage

Store PVC sheets on horizontal flat surfaces, pallets or wooden bearers with flat surfaces at least 100mm wide placed at centres not exceeding 900mm. Storage should be indoors as far as possible. Where PVC is stored outdoors it must be protected from the sun, wind and water. Cover securely with an opaque waterproof cover draped over timbers placed on the top of the stack and ensure that the stack is ventilated to prevent heat build up. Never stack more than 1.2m high. Sunlight is magnified in passing through even a few uncovered stacked sheets, increasing their temperature and leading to distortion and degradation. Water between the sheets accentuates these processes.

10 Year Limited Warranty

ARIEL PLASTICS LIMITED undertakes to supply a replacement free of charge for any Corotherm Polycarbonate Sheet that proves to have discoloured, in normal weather conditions during a period of 10 years from the date of purchase due to a manufacturing defect. This Warranty is only valid providing the Corotherm has been fixed in accordance with the manufacturer's instructions and does not extend to the cost of re-erection or other consequential loss, which claims are expressly excluded.

NOTE:

All roofing materials may be prone to damage in areas exposed to particularly high winds or if fitted to structures which enhance the effects of prevailing wind. It is important therefore, that professional advice is taken before erection concerning prevailing winds and the structure planned. This Warranty is offered as an extra benefit and does not affect your statutory rights.

Contact Us

Orderline email:

sales@arielplastics.com

Speedwell Industrial Estate
Staveley
Derbyshire
S43 3JP

Tel: 01246 281111

Fax: 01246 561111

Email: info@arielplastics.com

Blairlinn Road
Cumbernauld
Glasgow
G67 2TF

Tel: 01236 725536

Fax: 01236 725871

Email: scotland@arielplastics.com



All reasonable care has been taken in the compilation of the information contained within this installation guide. Ariel Plastics reserves the right to amend specifications and prices without prior notice.

All recommendations on the use of our products are made without guarantee as conditions of use are beyond the control of Ariel Plastics. It is the customer's responsibility to ensure that the product is fit for its intended purpose and that the actual conditions of use are suitable.



For the latest information visit

arielplastics.com