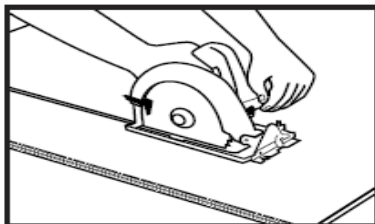


Sunpal Installation Instructions

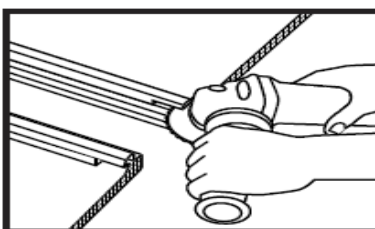
- ** Do not store Sunpal sheets in the direct sun
- ** Do not walk or place heavy objects on Sunpal sheets

1. Cut to size:



Trim Sunpal sheet to length allowing for an overhang of no more than 100mm at each end. We recommend a minimum of 50mm into the gutter!
Note: Joiner needs to be cut 20mm longer for a skillion roof and 40mm longer on a curved roof to allow for aluminium sheet end cap.

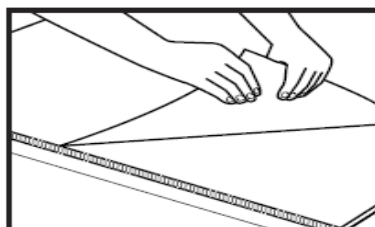
2. Slit for Aluminium Sheet End Cap



Notch out the “designer edge” of the sheet for installation of aluminium sheet end cap later – this can be done using a grinding disk (see diagram opposite).

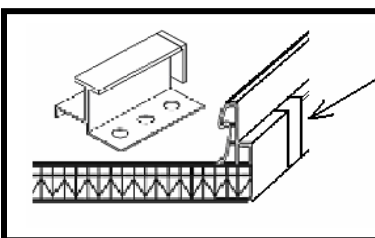
3. Using an air compressor with blow gun – blow out any “swarf” or loose particles from inside the sheet (ensuring both ends of panel are free of the plastic envelope/ sleeve).
4. Determine the layout of the first sheet, starting in the centre of the structure (this can be determined by dividing the structure width by 2 and adding half the width of the sheet).

5. Remove Masking



Remove the protective film from the underside of sheet leaving the protective film on top (this is to be removed after installation is complete – except on hot days remove top protective film straight away to prevent film from bonding with the sheet)

6. Cut Lip of sheet for T Lock Fastener (See page 4)

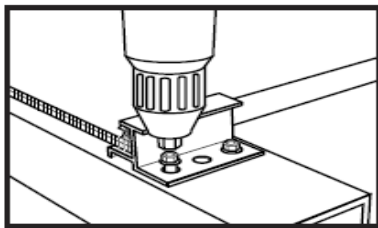


See Page 4 before starting

Make a small 3mm cut into the edge seam as per diagram above making sure not to cut the standing seam above. The cut can be done using a circular saw set to correct depth. Lay sheet in place and Fix T Lock Fastener using screws provided.
Only one T Lock Fastener per sheet/ joiner.

Sunpal Installation Instructions Cont.

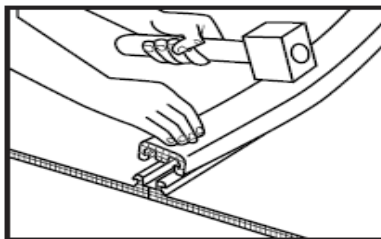
7. Install T Fasteners



Along sheet on remaining purlins (see span table in brochure for rafter only installations), place T fastener against sheet and fix into place using hex head fixings provided (2 fixings for standard, 3 fixings for high wind areas including cyclonic regions)

8. Place 2nd sheet into position firmly against T Fasteners and T Lock Fastener.

9. Assembly of joiners

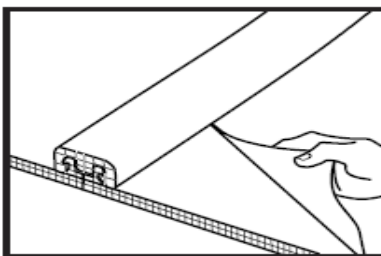


Using a mallet start fixing the polycarbonate/ aluminium Joiner locking the 2 sheets together. Work from the bottom end working your way up the roof (ensure that the joiner overhangs the bottom and top of the sheet by 13mm so that the joiner finishes flush with the aluminium sheet end cap which will be installed later.

10. If using Aluminium Joiners, pre-drill a 7mm diameter hole through the sides along line provided at 1000mm centres before installing.

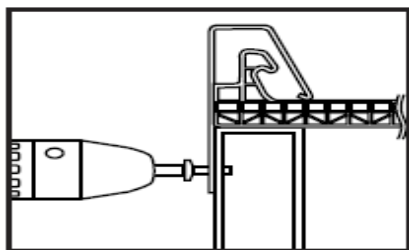
11. Fix M6 bolt through holes predrilled previously through aluminium joiner with lock nut and tighten making sure it's firm (Do not over tighten lock nut causing distortion of aluminium joiner).

12. Remove top masking



13. Repeat steps 5 to 10 until all sheets are in place except for 2 outside end sheets.

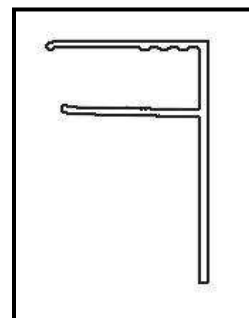
14. Side Fixing



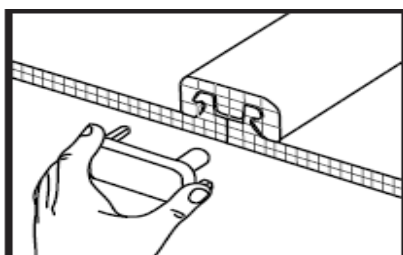
Determine width of end sheet required so it finishes flush with outside edge of end rafter/ purlin. If finishing with full sheet use colorbond flashing as per diagram.

Sunpal Installation Instructions Cont.

15. If edge sheet needs to be cut to width - The aluminium F section will be required. Use a circular saw or jigsaw (fitted with fine tooth blade) to cut the end sheets. Along the cut edge of the Sunpal sheet, push on the aluminium F section (cut to size) so that it is firmly secured. The aluminium F section should be hard up against last rafter or end of purlins (note if fixing to metal purlins, make sure the ends of the purlins are closed off). Repeat on opposite end.

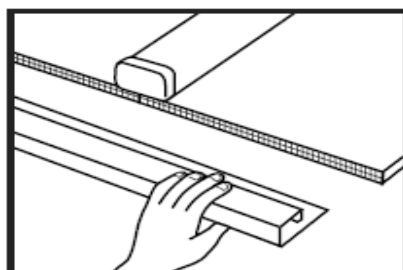


16. Joiner end cap



Insert joiner end caps firmly into the end of the polycarbonate joiners. If using aluminium joiners – use aluminium joiner end caps of which are pre punched for easy installation. Use screws provided of which can be painted after the installation.

17. Aluminium sheet End cap



Install the aluminium sheet end cap by pushing on in 3.0m or 6.0m lengths. The sheet end cap is designed to be a tight fit so start by pushing one end on and using a mallet slowly tap the aluminium sheet end cap until the Sunpal sheet is firmly inserted against the tab at the top. Joiners must finish flush with aluminium sheet end cap.

Your installation is complete!!!!

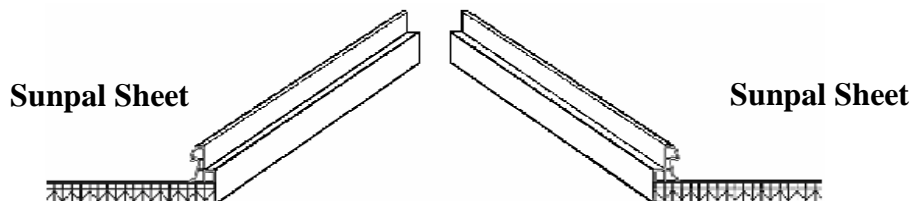
Do not attempt to clean the Sunpal sheets using a cloth, sponge, chamois or similar. This will create “swirl” marks and the fine scratches and will be more noticeable.

Burnside Plastics recommend using a high pressure air or water gun to disperse any dust or loose particles. (See separate “Cleaning Sunpal” maintenance data sheet)

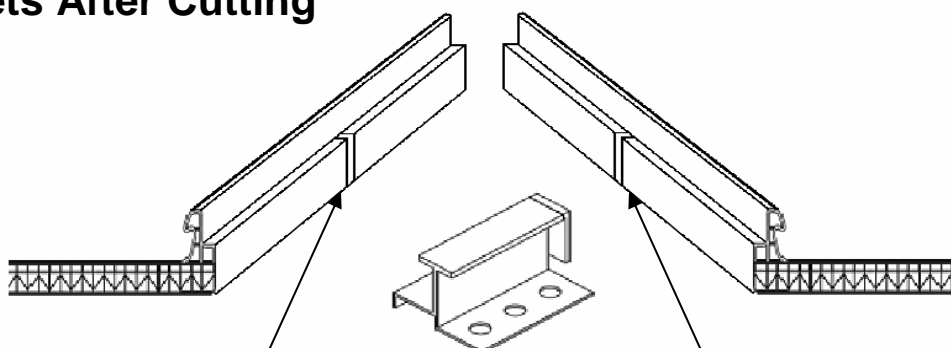
For all technical support please contact Burnside Plastics Australia in your State or Territory

Sunpal's Patented Fixing System Eliminates Sheet "Creep" Forever

Sheets Before



Sheets After Cutting



Cut a 3mm wide slit in bottom Lip as shown.
Do Not cut standing seam above

Cut a 3mm wide slit in bottom Lip as shown.
Do Not cut standing seam above

Sunpal has been developed to stop the sheets from "Slipping" or creeping!
This "Creeping" causes the sheet end caps to disengage which in turn leads to costly refits.

Where to fit the T Lock Fastener

Skillion Roof or Vertical Façade
Curved Roof

- Top T Fastener is replaced with T Lock Fastener
- Centre or apex T Fastener is replaced with T Lock Fastener

Installing T Lock Fastener

To install the T Lock Fastener - Make a small 3mm cut into the edge seam as per diagram above making sure not to cut the standing seam. The cut can be done using a circular saw set to correct depth. Then fix T Lock Fasteners using screws provided as per standard T Fasteners installation

Important: To allow for normal expansion use only 1 T Lock Fastener per sheet



Sunpal® Cleaning & Maintenance

Sunpal® 8mm, 10mm and 18mm is maintenance free when installed in a vertical application or a slope over 5°. The smooth finish to the Sunpal® and the general slope helps resist dirt build up and stops most substances from attaching to the sheet and any build up that does occur will be washed away with the next rain period.

For roofing applications of 5° and less, please follow the following process:

For small areas:

1. High pressure clean using a mild detergent (temperature can not exceed 80°C). Do not direct high pressure water at sheet end caps as they may disengage as a result.
2. Rinse the sheet with lukewarm water and dry with a soft cloth in one direction only to prevent water spotting.
3. To remove labels, stickers etc. the use of neptha or white spirits is generally effective. After removal, repeat steps 1 and 2 above.

For large areas:

4. Clean surface with a high pressure water and/or steam cleaner. (No more than 80°C)
5. Use of additives to the water should be restricted to those compatible with Sunpal® polycarbonate sheets.
6. Recommended solvent cleaners are : 10% Bleach solution, White Spirit, Petroleum Ether (BP65), Hexane, Heptane.

When cleaning curved Sunpal® sheets, it is recommended to try the solvent first on a small section for 3-4 hours, if no visible signs of discolouration have occurred the solvent may then be applied on the whole area.

Important

Never use abrasive or highly alkaline cleaner on Sunpal® polycarbonate sheets.

Cleaners and solvent generally recommended for use on polycarbonate, are not necessarily compatible with the UV-protected surface of the Sunpal® polycarbonate sheets.

Do not use either BUTYL CELLOSOLVE or ISSOPROPANOL on the UV-protected surface of Sunpal® polycarbonate sheets.

Never scrub with brushes, steel wool or other abrasive material.