

INSTALLATION

CUTTING

Sheets shall be cut using a fine tooth handsaw, circular saw with a fine tooth metal blade at low speeds or an abrasive wheel. Cutting produces dust which should be removed either with a vacuum cleaner or an air gun.

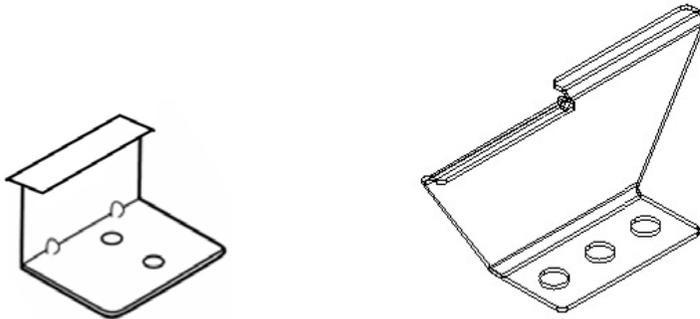
FIXING

Load Capacity of Stainless Steel Fasteners with a safety factor of 1.5

Knee Fastener Heavy Duty	8mm	110kg
Knee Fastener Heavy Duty	10mm	175kg
Knee Fastener Heavy Duty	16mm	175kg
Knee Fastener Trapezoid	16mm	225kg

Knee Fasteners: Position the first sheet and position fasteners on the side of the sheet ready to receive the next. Knee fasteners are suitable for fitting to both purlins and rafters. If fitting to steel framework use rivets. 35mm wafer head screws should be used for timber.

Trapezoidal Fasteners: These are a stronger fixing alternative when using 16mm sheets.



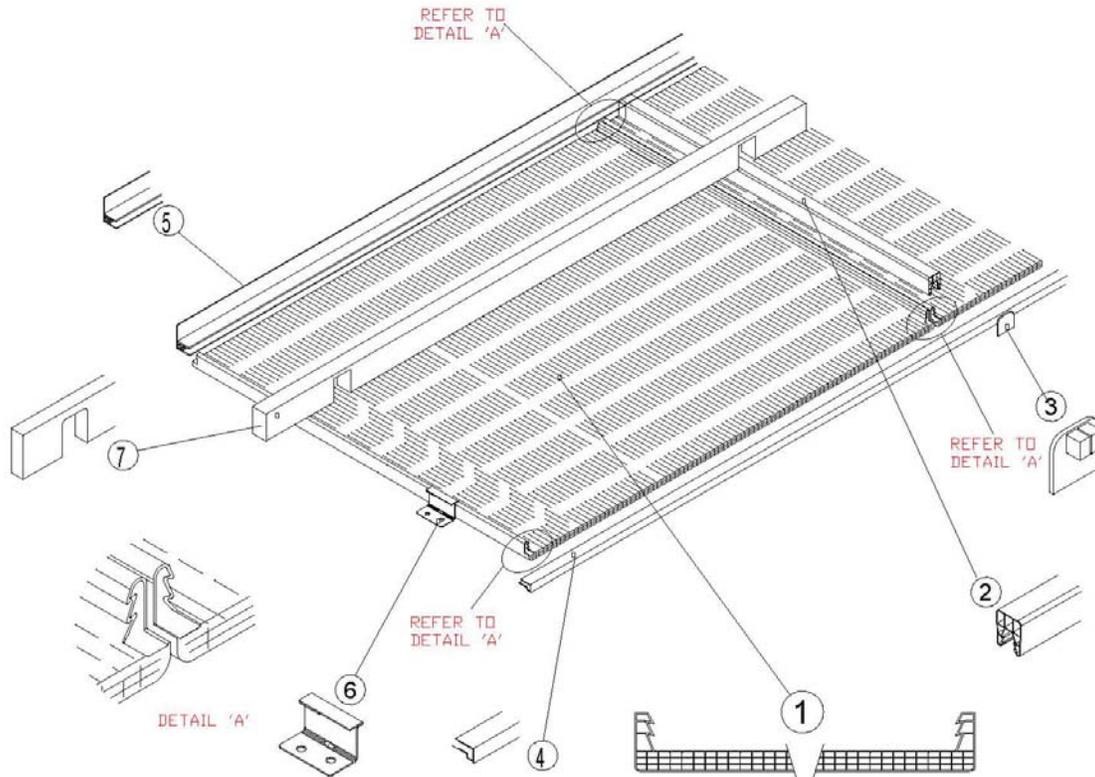
RECOMMENDED PITCH

A minimum pitch of 5 degrees is recommended to avoid deflection and dirt accumulation.

CURVING & OVERHANGS

Profile	Minimum Curving Radius	Maximum Overhang
Danpalon 4mm Compact	2500mm	50mm
Danpalon 8mm Honeycomb	2200mm	50mm
Danpalon 10mm Honeycomb	2500mm	100mm
Danpalon 12mm Honeycomb	2600mm	100mm
Danpalon 16mm Multicell	2900mm	100mm
Danpalon 20mm Multicell	3400mm	100mm
Danpalon 25mm Honeycomb	3900mm	150mm
Danpalon 30mm Honeycomb	4200mm	150mm

INSTALLATION



Step 1. Cutting Sheets

Trim sheets to length where necessary. Also cut 25mm off the rib of each sheet as per Detail 'A'. This allows for the F Section (5) and End Cap (4) to be put on in a continuous length. Use a fine tooth handsaw, circular saw with a fine tooth metal blade or an abrasive wheel.

Step 2. Remove Plastic

Remove Protective plastic from the back of the sheet only. We recommend that the sheets be inverted (with outside ribs facing down) when lifting onto the roof. This avoids any unnecessary scratching then when positioned the sheets should be turned over so ribs are facing upwards.

Step 3. Fixing Knee Fasteners

Position the first sheet and fit Knee Fasteners (6) on the side of the sheet ready to receive the next. The F section should be in place at this time as it is usually up against a fascia or wall and cannot in this situation be installed later. The outside of the sheet can be held down by F Sections as well. Knee fasteners are suitable for fitting to both purlins and rafters. Use 22mm (for steel) or 35mm (for timber) wafer head screws.

Step 4. Joining

Position next sheet and join with the 'U' connector (2). The U Connector will sit hard up against the vertical leg of the F Section and will be cut flush with the outside of the End Cap on the low side. Using either your fist or a rubber mallet, start at one end striking with short sharp blows at approximately 100 mm intervals.

Step 5. Sealing End Caps

Seal the gutter end of sheets with Aluminium End Caps (4). This prevents the penetration of moisture, bugs, dust etc. This can be done progressively or after the sheets have been installed.

Step 6. Remove Plastic

It is very important to remove protective plastic from the top of the sheet as soon as possible. (Extended periods in hot conditions, may make it difficult to remove.)

Step 7. 'U' Connector End Caps

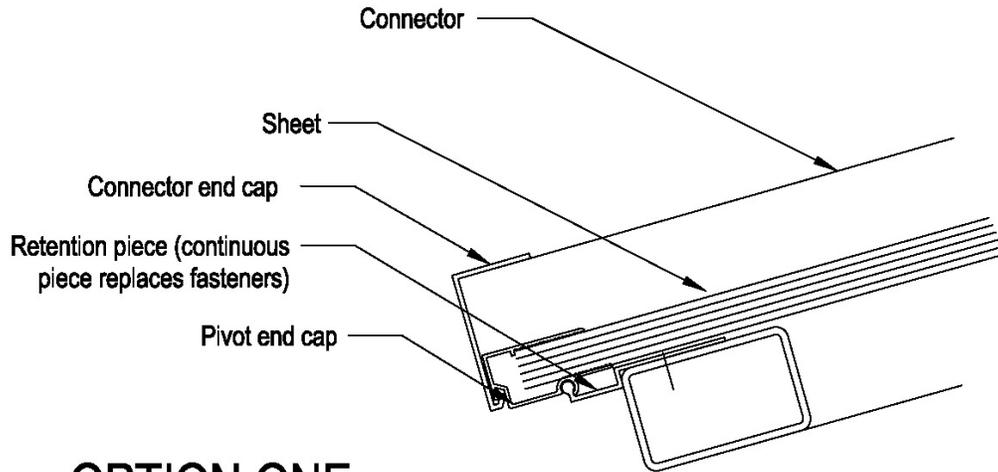
Fit 'U' Connector Caps (3) on the low side.

Take care of the sheet as it will easily scuff and scratch. Always store out of the direct sunlight and in a dry place. Leave sheets wrapped until ready to use so no moisture can get into the flutes.

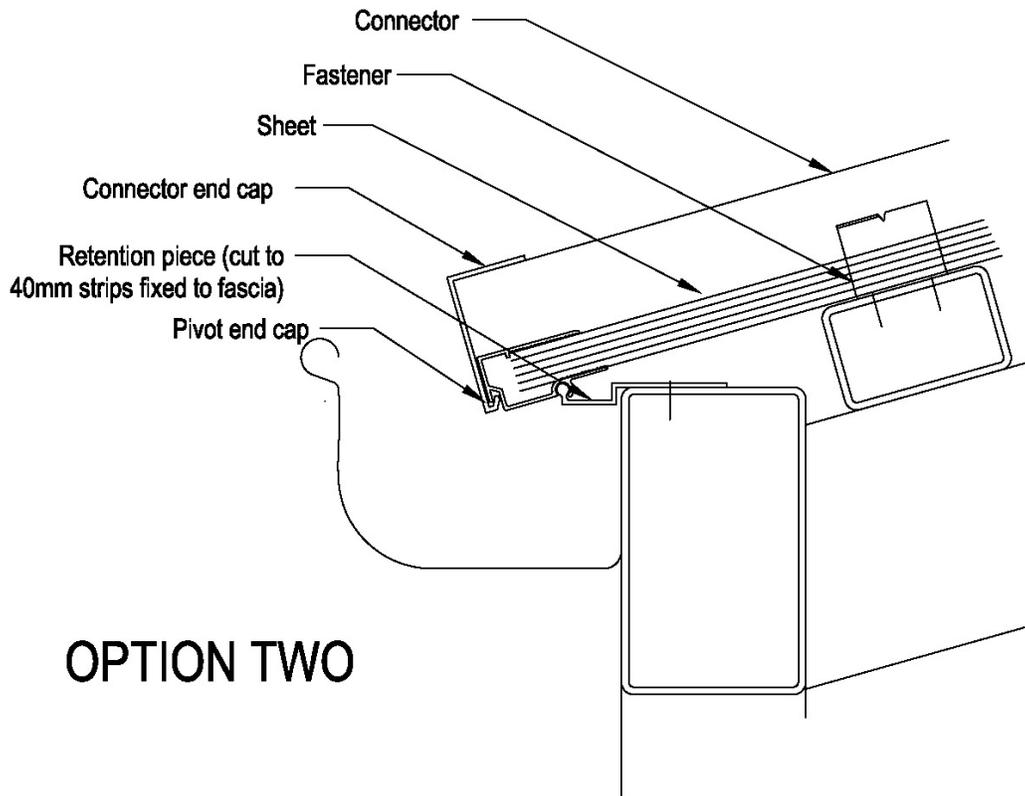
We do not recommend the use of silicone but if necessary use Dow Corning 791P.

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DANPALON GUTTER DETAILS

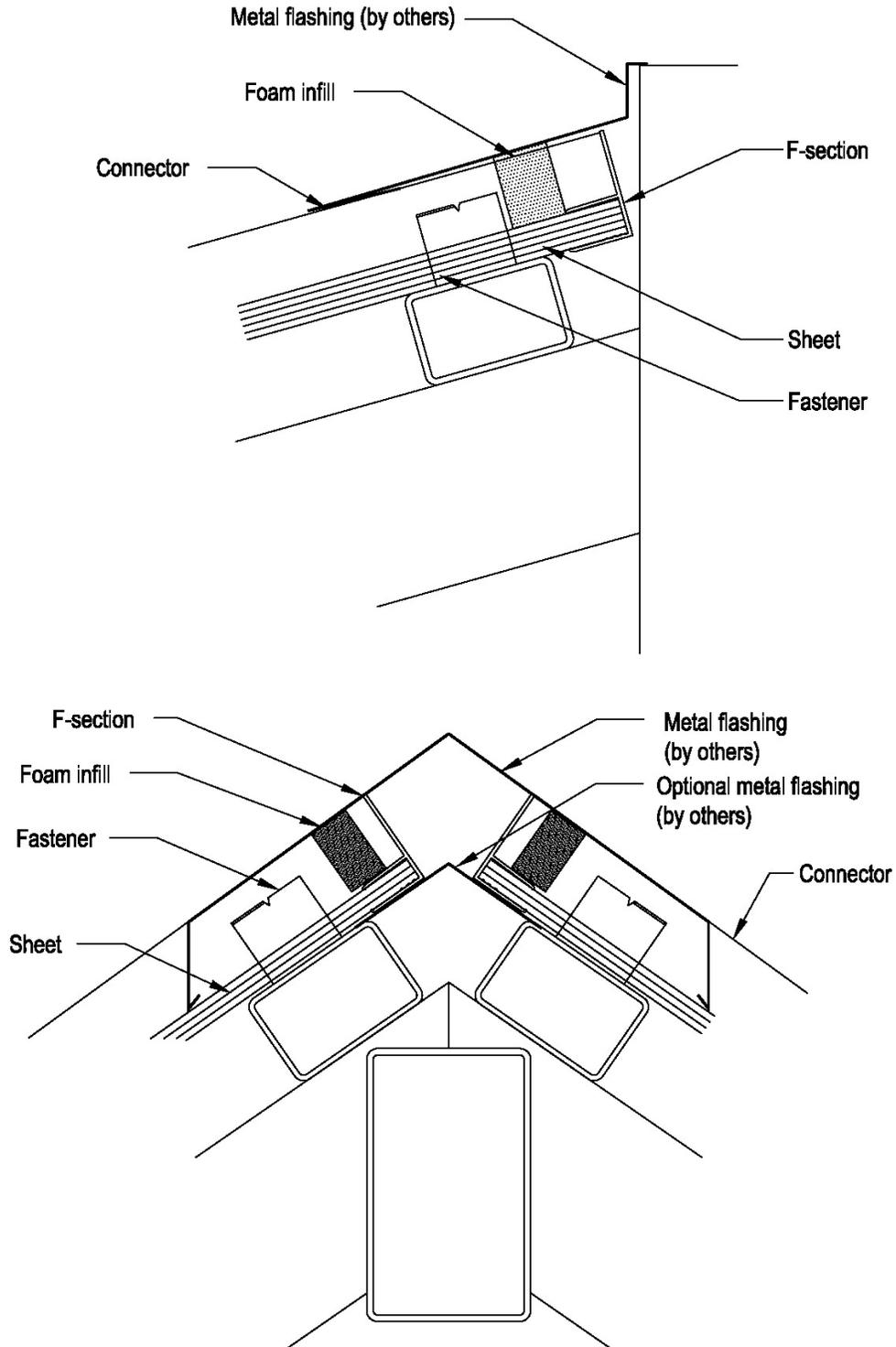


OPTION ONE

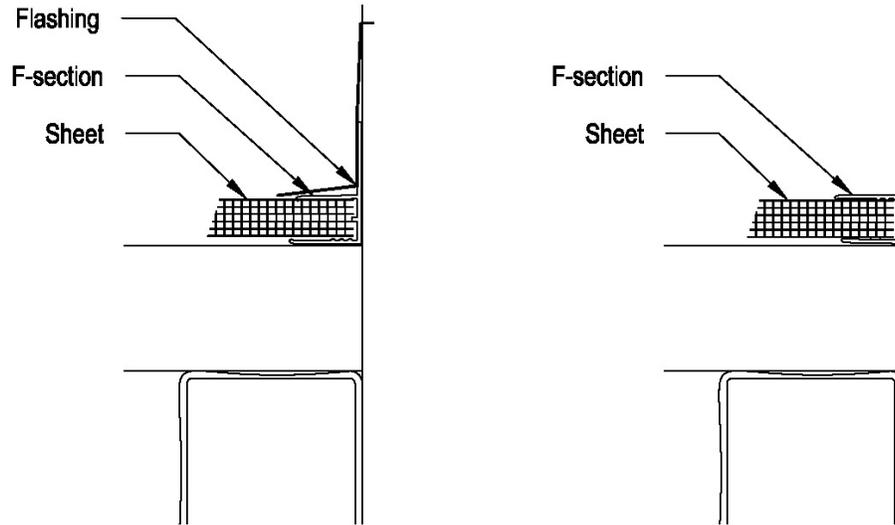


OPTION TWO

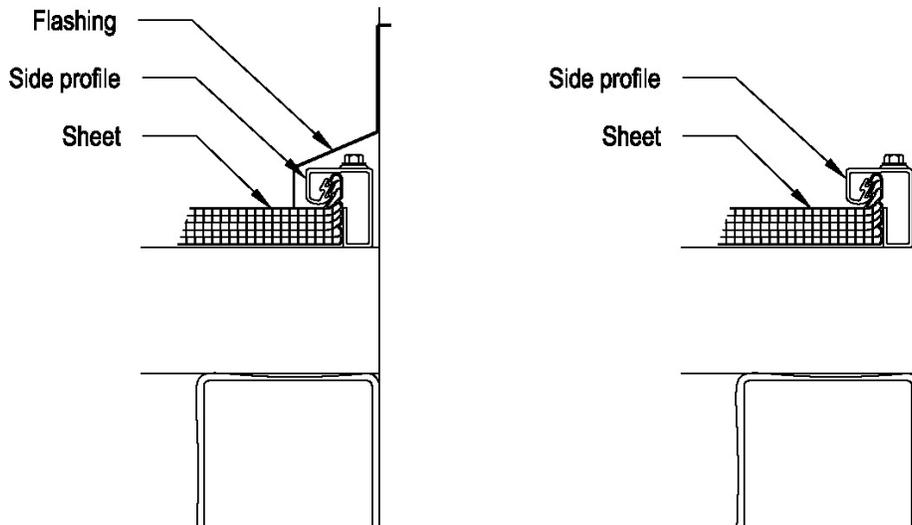
DANPALON APRON / RIDGE DETAILS



DANPALON APRON / RIDGE DETAILS



OPTION ONE - CUT SHEET



OPTION TWO - FULL SHEET

DANPALON GUTTER DETAILS

