

CF SOLAR BRACKET GUIDE

INSTALLATION AND PRODUCT INFORMATION

Overview



CF SOLAR BRACKET

Suitable for Gerard profiles:

CF Shake, CF Shingle, CF Slate, Calibre

Product Specification

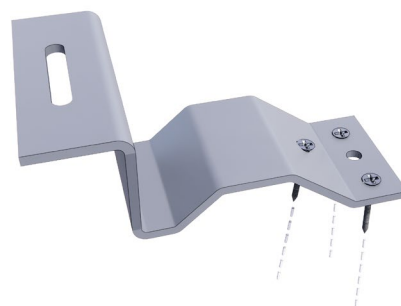
Material: G350 Steel

Coating: Hot Dip Galvanised

Design capacity: 1.73 kN ULS

Fastening Guide

Fasten through battens or ply into rafters using the holes shown below. If using battens, only 150 x 25mm battens should be used with these solar brackets.



Each bracket requires three 80mm x 10G galvanised screws through the batten into the rafter.

Installation

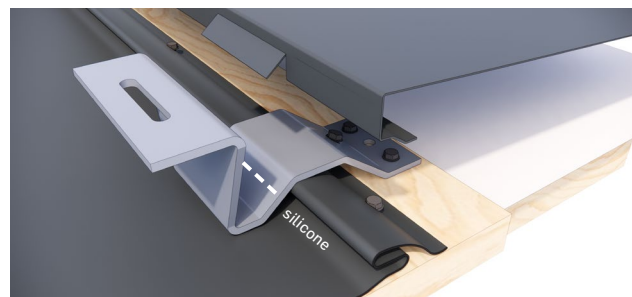
1. Lay the first course of tiles. Fasten solar brackets to batten/rafter joints in accordance with the solar plan. Ensure brackets are fastened through the batten or ply into the rafter.



2. Snip the nose of the covering roof panel to align with the bracket width.



3. Snip the back fold of the tile nose off and apply a bead of silicone across the body of the solar bracket.



4. Install the roof panel over the solar bracket and fasten at the head.



5. Using the solar brackets, the solar installer can now mount the solar panel rails and install the panels.

Bracket Spacing

Fasten brackets to rafter joints in accordance with the relevant table below.

Calibre & CF Slate Profiles		RAFTER X BATTEN SPACING				
		900 x 252 mm	900 x 504mm	900 x 756mm	900 x 1008mm	1800 x 504mm
Wind Zone	Wind Speed (m/s)	Fastener load strength required (kN)				
Low	32	n/s	0.59	0.88	1.17	1.17
Medium	37	n/s	0.78	1.17	n/s	n/s
High	44	n/s	1.11	n/s	n/s	n/s
Very High	50	0.71	1.43	n/s	n/s	n/s
Extra High	55	0.86	n/s	n/s	n/s	n/s

CF Shake & CF Shingle Profiles		RAFTER X BATTEN SPACING				
		900 x 370mm	900 x 740mm	900 x 1110mm	900 x 1480mm	1800 x 740mm
Wind Zone	Wind Speed (m/s)	Fastener load strength required (kN)				
Low	32	n/s	0.86	1.29	1.72	1.72
Medium	37	n/s	1.15	1.72	n/s	n/s
High	44	0.81	1.63	n/s	n/s	n/s
Very High	50	1.05	n/s	n/s	n/s	n/s
Extra High	55	1.27	n/s	n/s	n/s	n/s

n/s = not suitable

Installation of the solar brackets at the spacing highlighted above meet the criteria to withstand the wind loads on a solar panel array as outlined in AS/NZS 1170.2, B6 Solar Panels. The fixing points load requirement is below the solar brackets' design load of 1.73kN.