



*Address: 1/80 Oakleigh Road, Carnegie, 3163*

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*Contact Number: +61 432562065*

Date: 01/June/ 2019

## Structural certificate

This is to certify that Aluminium Design & Service has examined the updated rail components specified in EzQuick Model 2012 Installation Manual V1019, and found it to be satisfactory and in accord with AS1664.1, AS1170.1 and AS 1170.2.

Specifications for roof supports (ie. tile roof, ground system, flat roof, tin roof) remains the same to the Manual V1012, which are engineered and certified by BSC Consulting Engineering.

Engineer: *Chenchen Yang*

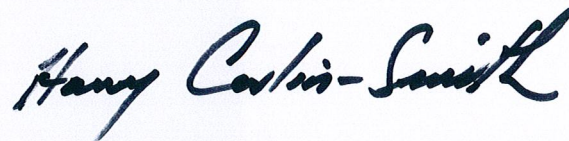
BSc (civil), MSc (civil), RBP, EC- 60277

December 20, 2012

### **STRUCTURAL CERTIFICATE**

This is to certify that BSC has examined the components and procedures specified in the EzQuik Model 2012 Installation Manual V1011 printed in October 2012.

In particular the tile bracket, steel roof bracket, tilt bracket and KlipLok clamps have been assessed and are now certified.



Harry Carlin-Smith FIEAust CPEng  
Managing Director

December 6, 2011

### STRUCTURAL CERTIFICATE

This is to certify that BSC has examined the component and procedures specified in the EzQuick Model 2012 Installation Manual V1011 and found them structurally adequate with the following proviso:

The spacing of the Tile Hook shall be as follows with the number of hooks per side in brackets:

Roof Height (m)	Region A mm	Region B mm	Region C mm	Region D mm
5	2135 (2)	1050 (4)	720 (5)	500 (7)
10	1340 (3)	980 (4)	700 (5)	500 (7)
15	1300 (3)	920 (4)	680 (5)	500 (7)

Also the Klip Lok Clamp is excluded from this certification at this time.



Harry Carlin-Smith  
Managing Director



February 6, 2013

### STRUCTURAL CERTIFICATE

This is to certify that BSC has examined the components and procedures specified in the EzQuik Model 2012 Installation Manual printed in October 2012 when used to support Canadian Solar panels 1954mm x 982mm x 40mm.

In particular the tile bracket, steel roof bracket, tile bracket and KlipLok clamps have been assessed and are herewith certified.



Harry Carlin-Smith FIEAust CPEng  
Managing Director





Address: 1/80 Oakleigh Road, Carnegie, 3163

Email: yangcc\_1989@hotmail.com

Contact Number: +61 432562065

Date: 25/Feb/2019

## Structural Certificate

This is to certify that the components and procedures specified in the EzQuik Model 2012 Installation Manual V1019 for Solar Panels, printed in June 2019 are structurally adequate and in accord with NATA accredited lab tests, AS1170.1 and AS1170.2 with the exception of low pitched steel rooves.

- The following spacing in 'mm' for **non-KlipLok** rooves are recommended

Roof height	Region A	Region B	Region C	Region D
5m	1280mm	1280mm	720mm	720mm
10m	1200mm	1200mm	700mm	700mm
15m	1100mm	1100mm	650mm	650mm

- The following spacing in 'mm' for **KlipLok 406** and **GRS700** rooves are recommended

Roof height	Region A	Region B	Region C	Region D
5m	1015mm	910mm	700mm	500mm
10m	910mm	700mm	500mm	500mm
15m	700mm	700mm	500mm	500mm

- The following spacing in 'mm' for **KlipLok 700** rooves are recommended

Roof height	Region A	Region B
5m	910mm	700mm
10m	910mm	700mm
15m	700mm	500mm

- The following spacing in 'mm' for **TKT** rooves are recommended

Roof height	Region A	Region B
5m	1280mm	1100mm
10m	1100mm	1000mm
15m	1000mm	880mm

Engineer: *Chenchen Yang*

BSc (civil), MSc (civil), RBP, EC- 60277

April 10, 2014

MicroSolar Systems Pty Ltd  
4 Joyce Street  
Springvale 3171

### **STRUCTURAL CERTIFICATION OF PART MSSTKT-Tr TRIANGLE ROOF MOUNT FOR SOLAR PANELS**

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This is to Certify that part MSSTKT-Tr U-shaped arm, 25.5mm x 46mm x 3mm, for triangle roof mount for solar panels manufactured from aluminium alloy 6061-T6, satisfies the wind loading code AS1170.2...2011.

The spacing of supports and minimum number of supports shall be as follows for Wind Code Regions A & B, and C & D.

ROOF HEIGHT	REGION A & B	REGION C & D
5 metres	1500 (3)	720 (5)
10 metres	1400 (3)	700 (5)
15 metres	1100 (4)	620 (5)



Harry Carlin-Smith FIEAust CPEng  
Managing Director