

# Eclipse Tile



## Eclipse

The Tractile Interlocking Roof System is a new combination of materials and system technology providing high performance and cost effective roof tile and wall panel solutions. Tractile has been designed to be utilised across all segments of the Building and Construction industry from residential to industrial, focusing on being fast and easy to install.

Superior to traditional methods of roofing, Tractile is a versatile product providing custom solutions for special projects, as well as a range of modern and traditional styled roofs. Available in a wide range of dimensions, colours, and textured surfaces, every Tractile roof is engineered to withstand extreme weather conditions and for longevity. All designs are fully supported by the company and great pride is taken in delivering expert assistance with high quality products, to provide our clients with value and prestige.

## What size do I need?



### Warranty



Design your roof:  
multiple colour,  
pattern & shapes!

### Eclipse



*Images are illustrative only*

Capacity	Roof Area	No. of Tiles	Output per yr - Power	Output per yr - Hot Water	TOTAL OUTPUT
1kW	6.7 m <sup>2</sup>	12	1,533kWh	292kWh	1,825kWh
2kW	13.3 m <sup>2</sup>	23	3,066kWh	584kWh	3,650kWh
3kW	20.0 m <sup>2</sup>	34	4,599kWh	876kWh	5,475kWh
4kW	26.7 m <sup>2</sup>	45	6,132kWh	1,168kWh	7,300kWh
5kW	33.3 m <sup>2</sup>	56	7,665kWh	1,460kWh	9,125kWh
10kW	66.7 m <sup>2</sup>	112	15,330kWh	2,920kWh	18,250kWh

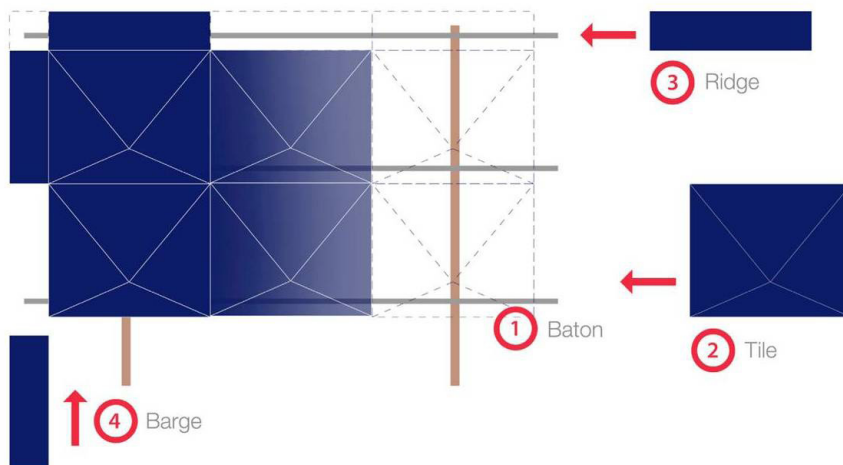
*\*Based on average South East Queensland estimations. Solar power output is dependent on solar and weather conditions, positioning of solar tiles, power and hot water consumption and usage.*

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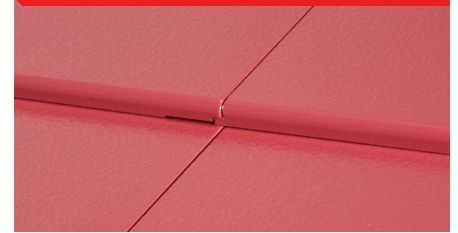
## Physical Specifications

Color	● ● ● Custom colors and patterns available
Max Output (Per Tile)	95watt
Photovoltaic cells	32 mono-cystralline 5" silicon cells 125mm x 125mm
Integrated hot water system	Tank size dependant on Tractile size
Weight	5kg +/-1kg
Tested static back load	2,400N/m <sup>2</sup>
Tested static front load	2,400N/m <sup>2</sup>
Glass	Tempered 3.2mm solar glass
Frame	Frameless
Junction Box	131 x 9 x _ mm
Plug connected type	MC4
Cable length / Cross section size	2 x 800mm / 4mm <sup>2</sup>



Design your own colour, pattern or shape!

## Interlocking System



Images are illustrative only

## Benefits

- Ability to generate up to 20% - 30% higher energy yields compared to conventional solar products
- Modern, seamless aesthetic styling compared with conventional roofs retrofitted with solar panels
- Can withstand 300 mile per hour wind speeds, providing unprecedented safety in any region of the world
- Delivers superior strength capable of handling weighted loads up to 250kg & will withstand direct impact from flying debris
- Able to withstand harsh and corrosive environments better than conventional roofing materials
- Larger lightweight structure reduces installation time frames and wastage by 50% or more

## Certifications

IEC 61215 ed. 2	Reg. No. PV60033123
IEC 61730	Reg. No. PV60033124
IEC 61701	Reg. No. PV60037080
CE Compliance	SHEM010060074501TXC
Safety Class II	IP Protection Level 65

## Electrical Specifications

Nominal Power @ STC1	95Pmax
Maximum System Voltage	1,000DC
Maximum Module Reverse Current	12A IR
Operating Temperature Range	-40°C to +85°C
NOCT	46 +/- 2°C
Voltage / Current @ max. power point	17.73Vmpp / 5.359Impp
Open / Short Circuit Voltage	20.384Voc / 5.727Isc
Temperature Coefficients	-0.37%/K - Pmax -0.241%/K - Voc +0.033%/K - Isc

## Warranties



50 year Tile Roof warranty is available, conditions apply. Limited Power warranty states that after 25 years, the solar power output will be 80% of original capacity. Hot Water warranty dependent on type and size of system installed. See manual for more details.