



MONIERTM

 **SOLAR**



MONIER

MONIER SOLARTILE

Integrated modular photovoltaic
flat tile system.

CSR

Benefits of Monier SOLARtiles



INTEGRATED DESIGN

Monier SOLARtiles integrate seamlessly into your flat profiled roof, minimising its visual impact. So even if your home faces north, its street appeal will not be compromised.

STRUCTURAL INTEGRITY

Unlike traditional bolt-on systems, the impact on the natural wind flow around the roof is minimized, hence wind pressures and debris build-up around the system is reduced. Also, there is no need to cut, grind or drill through your existing roof during installation.

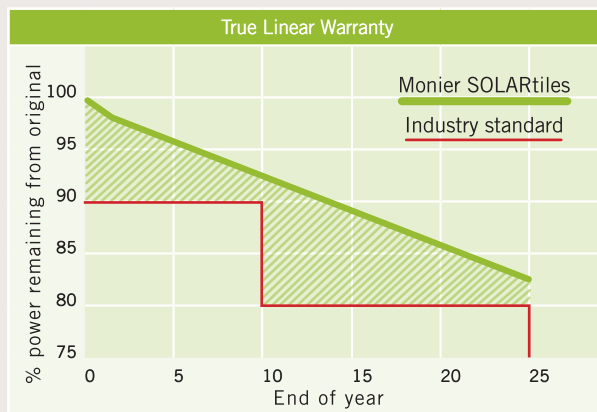


↑ Monier SOLARtiles can be installed onto all types of roofs including traditional and period style homes. They can even be retrofitted as part of a complete re-roof.



Solar Guarantee

Monier SOLARtiles comes with a 'Linear' Power Performance Warranty which offers 7.5% more power support over the 25 year life of the module.



Certification

- ☑ IEC 61215/61730 certified
- ☑ AS/NZS 5033:2012

Monier SOLARtiles work seamlessly with contemporary Monier roofs.

For information on profiles visit: monier.co.nz

MODULAR SYSTEM

Being a tile based modular system, Monier SOLARtiles can be installed in any configuration including smaller sections of your roof to optimise energy production.

INSTALLED SOLUTION

Building the house of your dreams? Monier has the knowledge to professionally install your SOLARtiles from delivery to final connection.

BACKED BY CSR

As one of Australasia's most established building materials companies, you can be confident in the knowledge that should you require any assistance with your Monier SOLARtile system into the future, CSR will be there to provide any technical, warranty and service advice.

Monier SOLARtiles unique integrated design means you'll never need to compromise the visual appearance of your home. Unlike regular bolt-on PV panels, Monier SOLARtiles can be laid in any configuration to blend seamlessly into your homes roofline.



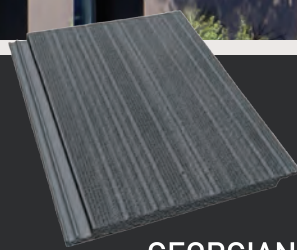
Typical bolt-on PV panel system that protrudes over the roof.

re designed to
the entire range
ier flat roof tiles:

le & colour options



HORIZON



GEORGIAN



MADISON

CSR

Product Specifications

Max Power	33W	Cell Technology	Monocrystalline
Power Tolerance	+3%	Cell Size	156 x156 mm
Max Power Voltage	4.1V	Junction Box	IP65, 1000VDC
Max Power Current	8.05A	Connector	Type IV
Open Circuit Voltage	5.04V	Bypass Diodes	1 per Tile
Short Circuit Current	8.6A	Operating Temperature	-40° C + 85° C
Encapsulated Cell Efficiency	17.3%	Tiles Per kW	32 Tiles



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Frequently Asked Questions

Who can install my Monier SOLARtiles?	To ensure Monier SOLARtiles are installed to New Zealand Building & Safety Standards and meet the conditions of our warranty, a Monier specified installer must fit them.
Can I walk on my Monier SOLARtiles?	Monier SOLARtiles are constructed with a top layer of toughened glass so they are strong enough to bear the weight of someone walking on them. However, especially when wet, they can be slippery and like your roof, we only recommend trained professionals walk on SOLARtiles.
What orientation and angle consideration should I consider?	As with traditional panels, the closer to north your SOLARtiles are oriented, the greater the energy efficiency of your system. 90° either side of north will reduce the efficiency of the system by approximately 15%. As with Monier's range of flat profiles, the minimum roof pitch that SOLARtiles can be installed is 20° subject to regional variations and site wind conditions.
Can Monier SOLARtiles fit any tile?	SOLARtiles only fit with the Monier range of flat profiled concrete roof tiles – Horizon, Madison, Georgian.
What sized system do I need?	Everyone has different energy requirements. Please look at your energy bills to understand your current energy consumption and contact Monier to discuss which system would best suit your requirements.
Do I need to strengthen my roof construction?	No. SOLARtiles are 25% lighter than traditional roof tiles.
Are Monier SOLARtile hail resistant?	Yes. Monier SOLARtiles are protected with low-iron toughened glass which minimizes the damage that can be caused by hailstones. You should consult your insurance company to confirm whether your home is covered for hail/storm damage.
Do I have to connect to the grid?	Yes, Monier only supplies grid connected systems at this stage.
Can I increase the size of the system at a later date?	Yes, provided the inverter has the capacity and you have sufficient roof area.
Who do I see if there is a warranty issue?	Monier should be contacted directly if there is a warranty issue with your Monier SOLARtiles. Refer to the Monier SOLARtile Product Warranty document for details of the warranty.
Who does the metering?	All SOLARtile systems require a meter and it's important to get the right meter.
How long does it take to install?	From acceptance of the quote, Monier will co-ordinate the installation of your Monier SOLARtile system over a 4 week period. The installation of SOLARtiles themselves normally takes just one day.
What if I'm not ready for SOLARtiles?	SOLARtiles are easy to retrofit. Just ensure that you choose a Monier flat tile profile for your roof and we can come and install the system at a later stage.