The Zane Guarantee

Zane's systems are only available from Authorised Zane dealers. This way, Zane can ensure that every system sold is correctly designed and installed.

Zane dealers are required to undertake intensive training to ensure they adhere to Zane's design and professional installation practices. A nationwide network of dealerships ensures service is always available.

Every Zane solar system is individually inspected and a comprehensive 'Commissioning Report' check list is completed. A Warranty Certificate is issued by the Zane dealer and registered on Zane's central records.

Zane solar systems conform in every way with the Australian Standards.

Gulfpanels are available in four sizes to allow your solar system to be tailor fitted to your roof.

Panel Length (mm)	Panel Width (mm)	Specified Surface Area (m^2)
3900	600	2.1
3400	600	1.8
2900	600	1.5
1400	600	0.7

Zane Pool Heating

Zane is also able to supply gas heaters and Electroheat heat pumps to complement your solar heating system. See your Zane dealer for more information.

ElectroHeat MkII

Customer Protection Plan

Every Zane Gulfpanel system owner is covered by an exclusive Customer Protection Plan which provides them with direct cover from Zane.

Under our Customer Protection Plan you benefit by:

- Our dealers guarantee their installation and workmanship for 2 years from the date of installation.
- 10-year warranty on solar Gulfpanel absorber material PLUS a further 5-year warranty on pro-rata basis.
- 7 Year Limited Wildlife Warranty. 2-year warranty PLUS a further 5-year warranty on a pro-rata basis.
- 2-year warranty on solar controllers (for probe and lead 1-year).
- 2-year warranty on all other Zane components.
- Zane's warranty is backed by Waterco Ltd - the leading supplier to the pool industry.
- At Zane, all product warranties are issued direct from our central office to the owner. It is a good idea to enter into a seasonal maintenance program with your dealer.

* See our warranty document for full terms and conditions.

ZANE Solar Pool Heating

Australia 1300 00 ZANE (9263)
New Zealand **088 765 279**
Web www.zane.com.au

WATERCO Water, the liquid of life

Zane is a subsidiary of Waterco Ltd
A.B.N. 62 002 070 733
36 South Street, Rydalmere, NSW 2116
Tel : (02) 9898 8600
Fax : (02) 9898 1877
Web : www.waterco.com

Waterco Limited ABN 62 002 070 733

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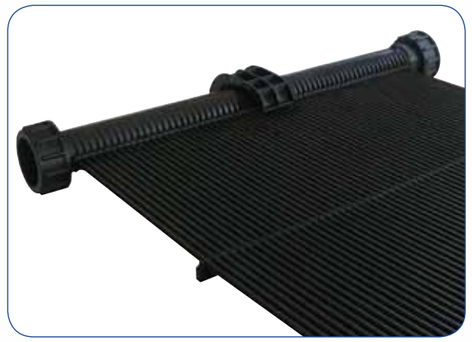
Extend Your Summer

ZANE Solar Pool Heating
Established since 1974

Get the most out of your swimming pool with Zane solar pool heating.

ZANE GULFPANEL



Modular one-piece solar panels

Outstanding heat transfer properties

Exceptional durability and UV Stabilised

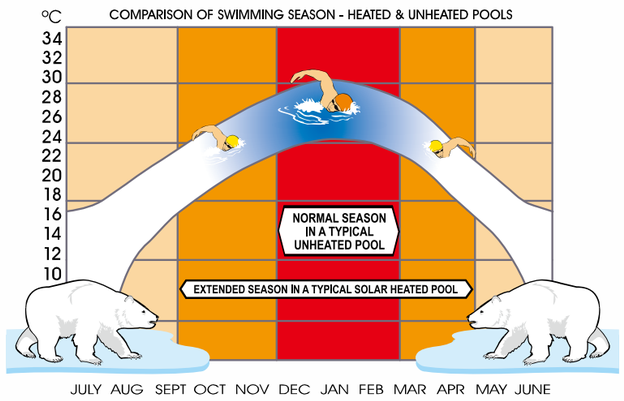
Impervious to attacks from birds and wildlife

www.zane.com.au

Extend your summer

A swimming pool is a major financial investment. Getting the most out of your pool, means keeping the pool at a swimmable temperature.

Heating the pool during the swimming season.
There are many days during the “Swimming Season” when the pool is still too cool to swim. Zane solar heating allows you to control the pool temperature throughout the “Swimming Season”.



Heating the pool to extend the swimming season.
People generally find a pool at a usable temperature for only 3 to 4 months of the year. A solar heated pool can be expected to maintain the “swimmable” temperatures for 6 to 9 months of the year.

Imagine how much added enjoyment your pool would provide if it was warm for more hours in every day and for more days in every year.

Extend your summer with Zane

Custom designed

The size of your solar pool heating system is determined by the size of the pool, the conditions that aid or retard heating (shown in the table), the length of your swimming season and the desired temperature.

Using correct design calculations, it is possible to both accurately determine what you need and the result your solar system will produce.

Zane uses an advanced computer sizing program to calculate a “Cost Effective” tailored solution. You know you are never paying for a larger system than your pool requires and you’ll always get the results you wanted.

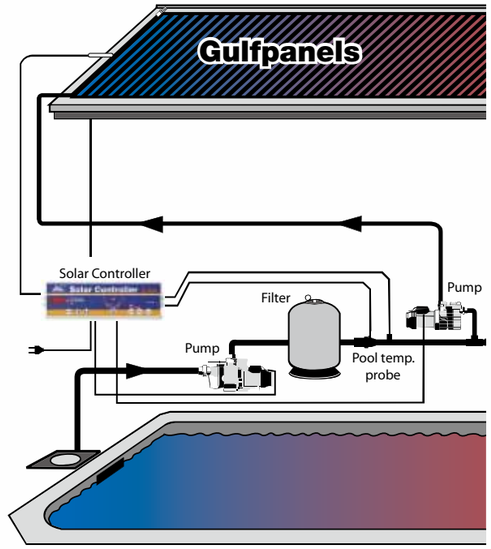
GEOGRAPHICAL LOCATION	Colder locations require more absorber to produce any given result.
ABSORBER ORIENTATION	North facing is best. More absorber is needed if the roof is not north facing.
ABSORBER SLOPE	A flat roof receives less sun in winter than a pitched northerly-facing roof
ROOF COLOUR	When forming part of the absorber a dark roof will contribute more energy than a light coloured one.
ROOF TYPE	Metal roofs are better heat conductors than most other types, insulated roofs are also better

SHADE ON THE ROOF	Some allowance should be made for trees, neighbouring properties etc, that may shade the absorber for the part of the day.
WIND OVER THE ROOF	A roof area exposed to the wind will require more absorber to be fitted to compensate for the heat loss.
SHADE ON THE POOL	A shaded pool will normally be colder than one constantly bathed in sunlight. Therefore it will need more absorber.
WIND OVER THE POOL	Wind over the water accelerates heat loss from the pool. Pools open to the wind need more absorber than sheltered pools.
POOL COLOUR	Provided it receives sunlight, a dark coloured pool will normally be warmer than a light coloured one.

Zane commercial solar

Zane solar systems have installed commercial solar systems at many prestigious and well-known locations.

Our expertise has enabled us to successfully complete large commercial projects of a size and scope completely beyond the reach of most others in the industry.



Zane Solar controllers

A Zane solar controller ensures that your pool's temperature is constantly monitored, without the need for your direct supervision. Once programmed to your needs, the controller will determine precisely if it is to heat your pool, and by how much.

Two temperature sensing probes are used to measure the pool water and roof temperatures.

- ❖ When the roof temperature exceeds pool temperature, the solar controller senses a solar gain and automatically activates the pool heating system.
- ❖ When the temperature of the pool water is above your pre-determined 'top out' temperature, no heating will occur until the pool water cools.

ZX3000

The ZX3000 computerised solar controller can control both the filter and the solar systems for your pool or spa. The ZX 3000 also has the ability to control extra heating equipment to work in conjunction with the solar system e.g. gas heater, heat pumps.

PC5

The PC5 computerised solar controller has an "Auto", "Off" and "Manual" switch with a "top out" temperature control, winter mode and digital temperature readout.

Solar booster pumps

Zane Solar systems require efficient circulation to function at its peak performance. For this reason, we use a specially designed range of Solar booster pumps incorporating the essential features required to make them compatible with Zane Solar systems.

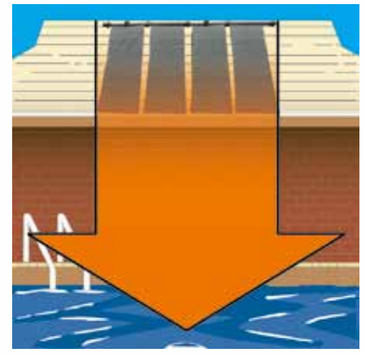
Flocheck valve

The Zane Flocheck valve is integrated with the solar controller and will stop the solar pump if the pool filtration pump is not working.

Extend your summer with Zane

How does Zane Solar work?

Zane Solar absorbs the sun's heat and transfers it to your swimming pool. The water in your pool is heated as it flows through a series of solar Gulfpanels strategically installed on your roof. The heated water is returned to the pool to increase its overall temperature.



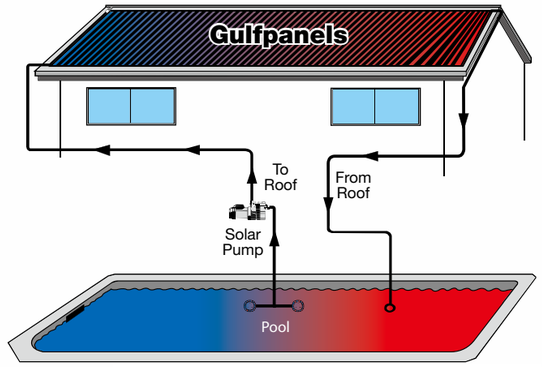
Solar pays for itself

Zane Solar pays for itself in just a few years. After the initial setup cost, the ongoing running costs are minimal as the heat is provided free from the sun.

A Zane solar system can be installed either as an independent system or an integrated system.

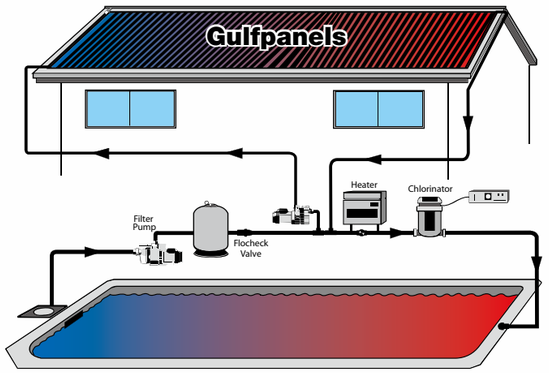
INDEPENDENT SYSTEM

- In an independent system, the pool water is pumped directly from the pool to the solar Gulfpanels on the roof and then returns the heated water back to the pool.
- Independent systems require the pool builder to plan for solar system, or to have the professional support of a Zane dealer from the initial stages.
- Independent systems are simple to install and do not interrupt the filtration system.



INTEGRATED SOLAR SYSTEM

- An integrated system involves diverting the flow of water after the filtration system. Generally a secondary pump pushes the filtered water up to the solar panels on the roof and returns the heated water back to the pool via the existing pool water return lines.
- An integrated system can be easily retro-fitted without affecting any other part of the pool structure and it uses the filtered water of the pool to ensure that clean water is sent to the roof panels.



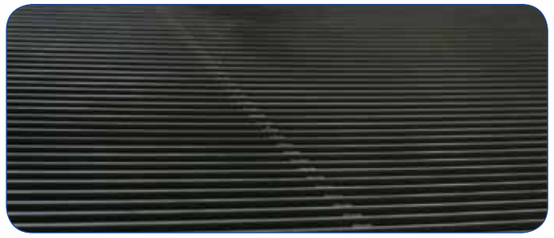
Zane Solar Gulfpanel

Extensive research, development and testing have gone into the refinement of Zane Solar Gulfpanel.

Gulfpanels are precision injection moulded from a high grade formulated polymer, selected for its outstanding heat transfer properties and its exceptional durability.

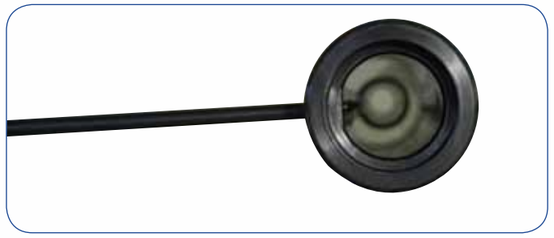
Gulfpanels are UV stabilised and designed to withstand extreme weather conditions.

Gulfpanel's modular design allows the creation of a solar system, which is easily adaptable to a variety of roof configurations.

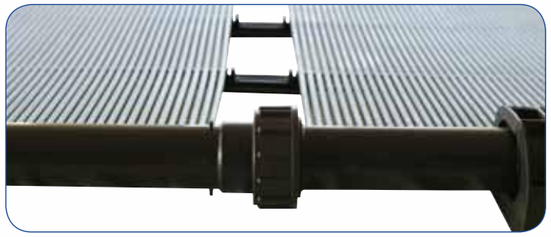


Each Gulfpanel consists of a multitude of miniature solar absorber tubes to maximise its surface area exposed to the sun.

The solar absorber's thick circular wall structure is impervious to attacks from birds and wildlife.



Gulfpanel's seamless one piece construction eliminates any welds or seams, ensuring long lasting performance.



The modular panels are connected together via reinforced water tight unions without the need for gluing or the use of clamps, guaranteeing a robust leak free connection.

Gulfpanels are securely fastened to the roof via a series of custom built roof clamps designed to allow for expansion and contraction of the Gulfpanels

Inline strainer

Installed after the solar pump, the Inline strainer is designed for removal of suspended solids from the water so as not to block the solar system.

Vacuum relief valve

A Vacuum relief valve prevents the absorber from continually 'working' due to the constant changes within the system from negative to positive pressure, extending the life of the system.

By allowing water to drain from the system, problems associated with freezing, boiling and stagnation are eliminated.