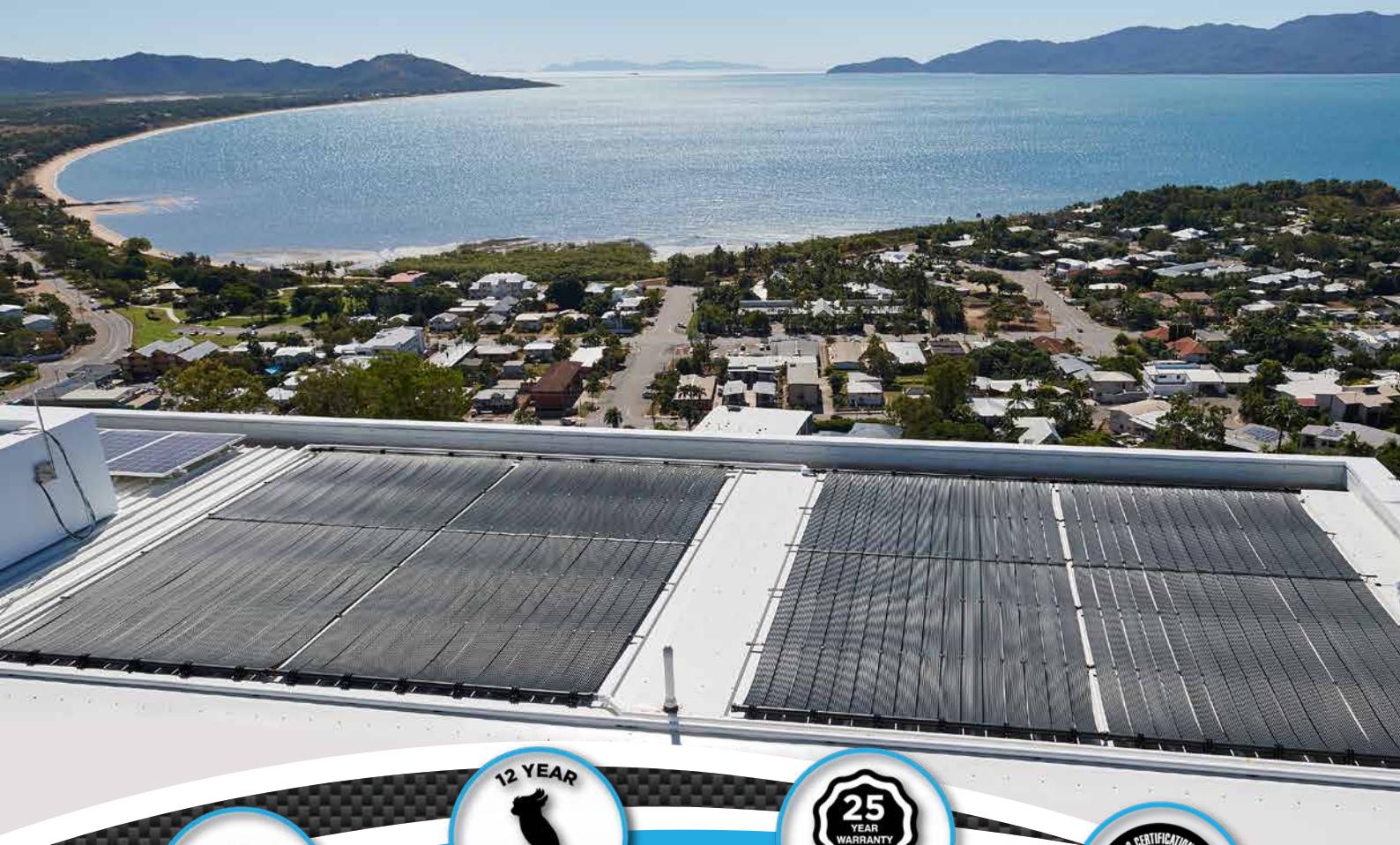




# RHINO BLACK



AUSTRALIAN  
MADE



COCKATOO  
WARRANTY\*



25 YEAR  
WARRANTY\*



CERTIFIED TO  
SRCC 100-2015



Australian Made and Owned

# WHY SOLAR POOL HEATING?

Solar Pool Heating is by far the most economical and eco-friendly way to heat your pool. Used for centuries, Solar is a proven thermal engineering concept that will allow you to **make the most of summer while saving thousands** on electricity or gas bills.

By installing a Solar pool heating system you can extend your swim season by up to six months\*. Don't let your pool go to waste, install a **Rhino Solar system** and enjoy the benefits of having a pool - more fun, fitness and entertainment for everyone.

\*Subject to location, seasonal variations, customer demands and other factors



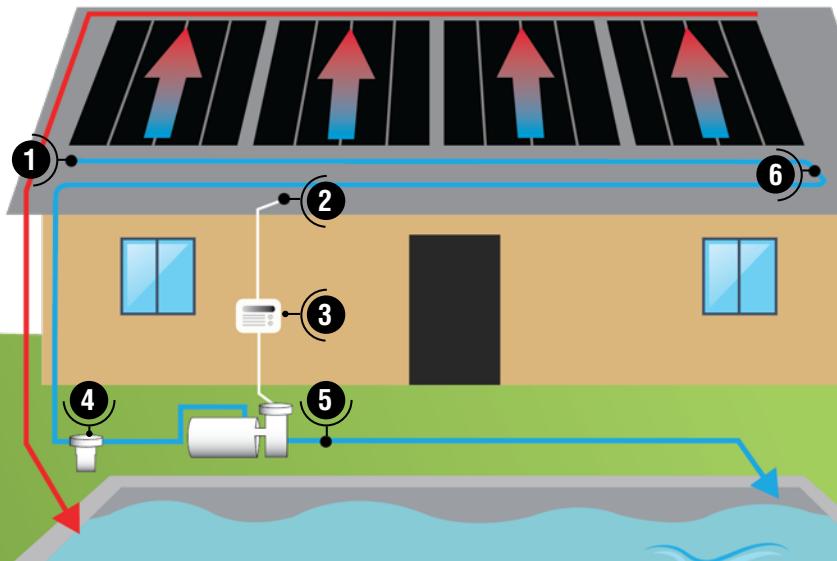
## HOW SOLAR POOL HEATING WORKS

Solar Pool Heating involves pumping pool water through a series of tubes within a panel (known as a solar collector). These panels are installed in a sunny position on a suitably positioned roof or rack. The sun's free energy heats the circulating pool water (think of a garden hose left in the sun) and returns it to the pool at an elevated temperature. This temperature is pre-set by the pool owner via an automatic digital controller.

Solar Pool Heating is easy to operate and highly effective. Make the most of summer, with Rhino Black.

- 1 VACREL - VACUUM RELIEF VALVE
- 2 ROOF TEMPERATURE SENSOR
- 3 SOLAR CONTROLLER

- 4 TUFFILTAWATER STRAINER
- 5 TEMPERATURE SENSOR
- 6 TUGAUGE PRESSURE GUAGE



*Solar Pool Heating is effective, simple to operate and easy to maintain. The choice is easy!*

# WORLD LEADING RIGID SOLAR PANELS

Rhino Black is an Australia Made rigid solar pool heating system, specifically designed and engineered to withstand some of the harshest climates in the world. Engineered by Australia's pool heating experts and certified to ICC 901 / SRCC 100-2015 Rhino Black is an innovative, reliable and World leading solar pool heating system. Supplied with top quality componentry and a 25 year warranty, it is an ideal choice for professional solar pool heating companies globally.



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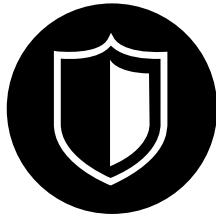
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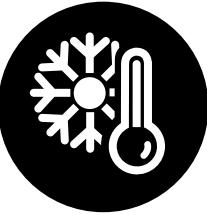
SUPERIOR DESIGN  
& COMPONENTRY



HAIL RESISTANT  
ISO 9806



EXTREME WIND  
RESISTANT



IMPROVED FREEZE  
RESISTANCE\*



# SUPERIOR MATERIALS AND DESIGN



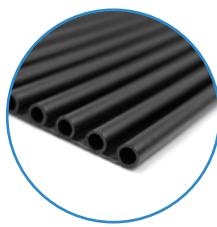
## ROOF MOUNT

Secure and durable mounting system that allows for expansion and contraction. Easily installed on both metal and tiled roofs with minimum penetrations.



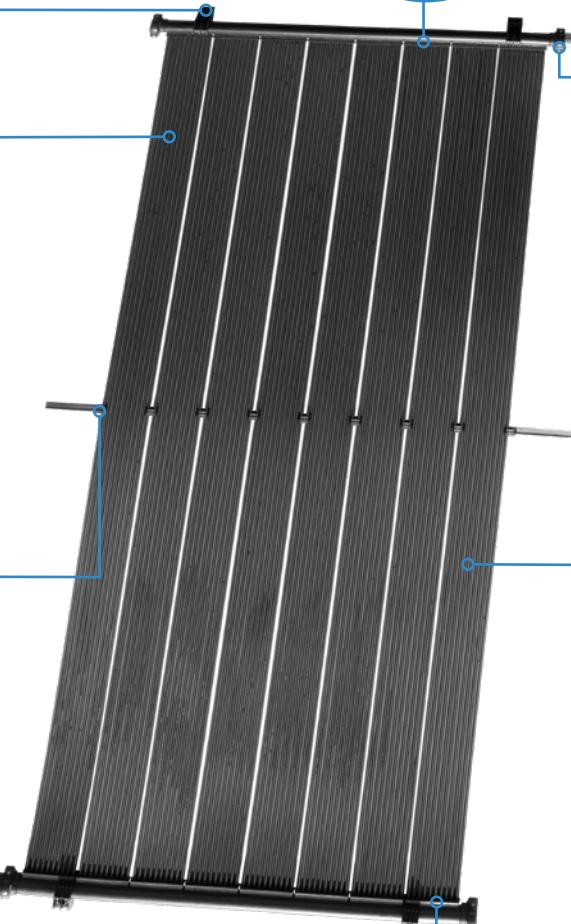
## SECURE LOCKING SYSTEM

This cutting edge barb locking system, combined with high-grade silicone rubber lip seals provides a fast, firm and reliable seal for the life of the system.



## BASE WEB WITH FLEXIBLE HINGE

The base web and frequent air spacing provide the best solution for maximum heat gain and minimum wind lift.



## FIXING TRACK AND CLIPS

Securely fixes the system to the roof surface with no concentrated stress points. Provides a barrier between the panel and the roof to prevent abrasion due to thermal movement.



## RING CLAMP ASSEMBLY

This robust and durable clamping system eliminates rubber hoses and metal ring clamps which require regular maintenance and replacement.

Save yourself time and money with a high quality, aesthetically pleasing solution.



## UV STABILISED CO-POLYPROPYLENE

This premium plastic compound was selected for its excellent heat transfer properties and ability to stand up to long sun exposure. The polymer used is non-toxic and safe for drinking water as it fulfils FDA and EU requirements for articles in contact with food.



## FLEXIBLE COUPLING

Designed to bend and flex to absorb the differing thermal expansion and contraction rates of the PVC pipework and panels, without placing undue stress on the connecting components. Minimising stress and reducing the risk of damage or breakage.



## SUPERIOR HEADER FUSION WELD

A traditional 'weak-point' of many systems, Rhino has 1.5 times the welded surface area and strength compared to some traditional panels. This fusion welding technique provides the strongest possible connection, eliminating cracking or splitting for a longer lasting, maintenance-free system.



## ALUMINIUM SLIDING TRACK

Installed along the bottom header pipe on metal roofs to allow for expansion and contraction with minimal roof penetrations.



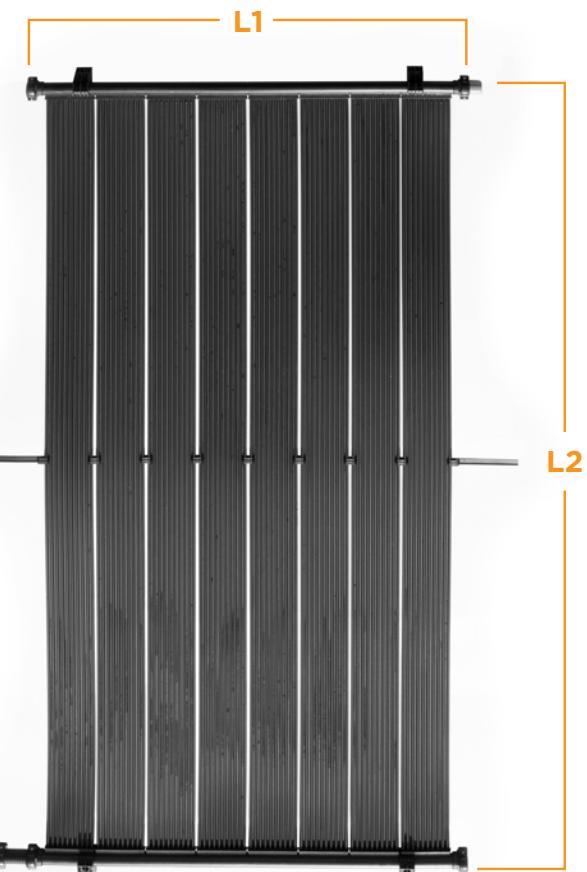
## TILE ROOF BRACKET

Allows for drill-free mounting to tiled roofs. Secured around two roof battens to provide greater security in high wind regions.

## MOUNTING OPTIONS:

# RHINO BLACK PANEL SIZES

RHINO PANEL	HEADER LENGTH (L1)	PANEL LENGTH (L2)	GROSS SURFACE AREA
R3/11	0.575 m	2.42 m	1.2 m <sup>2</sup>
R3/15	0.575 m	3.18 m	1.5 m <sup>2</sup>
R3/19	0.575 m	3.95 m	1.9 m <sup>2</sup>
R8/30	1.4 m	2.42 m	3.2 m <sup>2</sup>
R8/40	1.4 m	3.18 m	4.2 m <sup>2</sup>
R8/50	1.4 m	3.95 m	5.2 m <sup>2</sup>
R12/45	2.06 m	2.42 m	4.8 m <sup>2</sup>
R12/60	2.06 m	3.18 m	6.8 m <sup>2</sup>
R12/75	2.06 m	3.95 m	7.8 m <sup>2</sup>
R16/60	2.72 m	2.42 m	6.4 m <sup>2</sup>
R16/80	2.72 m	3.18 m	8.4 m <sup>2</sup>
R16/100	2.72 m	3.95 m	10.4 m <sup>2</sup>
R20/75	3.38 m	2.42 m	8.0 m <sup>2</sup>
R20/100	3.38 m	3.18 m	10.5 m <sup>2</sup>
R20/125	3.38 m	3.95 m	13.0 m <sup>2</sup>



## ABOUT BOSS SOLAR

Rhino Black is produced by Boss Solar, Australia's largest and most trusted solar pool heating manufacturer. For over 30 years, Boss Solar have delivered precision products to both Local and International markets and have developed a reputation for providing innovative, effective and reliable pool heating products.

Boss Solar is owned by parent company Boss Polymer Technologies, a second generation family business, dating back to the fifties. Boss is a private company that owes its continued strong growth to the investment it has made in people and innovative technologies to make high quality industrial supplies for a broad range of industries including automotive, building, civil engineering, transport, mining and white-goods. This has enabled Boss to maintain a sustainable advantage in today's competitive global markets and become a preferred supplier to many leading companies in a range of industries.





**TO LEARN MORE ABOUT OUR SOLAR POOL  
HEATING PRODUCTS PLEASE CONTACT US AT:**

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 [info@qis.com.au](mailto:info@qis.com.au)

 [1800 805 287](tel:1800805287)

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