



poolcovers.com.au











**WORLD
LEADING**

**COMMERCIAL
POOL COVER
SYSTEMS**

AROUND AUSTRALIA
AROUND THE WORLD



The market success that Elite Pool Covers enjoys today hasn't happened overnight. Since 1989 it is through foresight, continuous research and development, ongoing improvement in design and performance that have all come together to make Elite what it is...One of Australia's leaders in the concept, design and manufacture of an extensive range of proven value for money pool cover systems.

	Money to Burn	3
	Bubble or Thermal	3
	How a Pool Loses Heat	3
	The solution	4
	R Value and Pool Covers	4
	Elite Thermal Blankets	5 + 6
	Elite Super Bubble	6 + 7
	Elite Hideaway	8
	Elite Bench Seating	9
	Elite Auto Rollers	10
	Blanket Buddy® Motorised	11





Read more articles on the Elite Pool Covers website.
Why covers need to be built into commercial centres.

Money to Burn

Not having an Elite Pool Cover is false economy...

Saving on expenditure is a False Economy. The idea that a pool facility can reduce its costs by not spending the money on a pool blanket is truly one of 'false economy'.

Most aquatic centres could expect to fully recoup not only the capital cost of the pool cover, rollers and associated hardware, but also the dollar value of the additional labour required for daily operation in 18 months or less through reduced water evaporation, reduced energy and even reduced labour and maintenance costs.

“Installing a quality Elite commercial pool cover can not only significantly reduce water loss through evaporation, it can also quite literally, end up saving the facility owner tens (or even hundreds) of thousands of dollars in operating and maintenance costs.

From reduced energy bills for water heating, through to the extended painting and maintenance intervals that can result from reducing the amount of condensation being generated in indoor aquatic facilities, an Elite Pool Covers System really is an excellent investment – both financially and environmentally.”

Bubble or Thermal: What's best for my centre?

To work out what is going to be the best suited for your pool and how your pool is operated, you first need to consider the following:

Why would you use Bubble 550 Micron?

The benefit of the Elite Pool Covers 550. Micron is that if your centre is outdoors and has no heating or is limited and the covers stay on when closed or during light hours you can gain up to 7° increase in temperature.

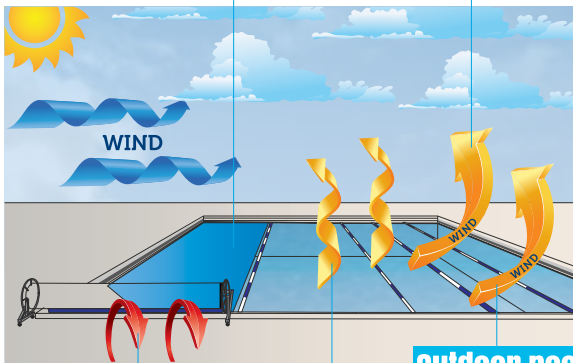
Why use thermal?

The benefit of Thermal 5mm is that it has the higher R Value on the market. R Value = Resistance between water and air temperature trying to equalise.

Elite Thermal Blanket can also go over lane ropes that are in good condition. Savings on gas/electric bills mostly pay back labour and equipment in one and a half years.

The cover traps heat and prevents the warmth from escaping, saving up to 60% on your heating bills

Heat loss by evaporation and convection 60%



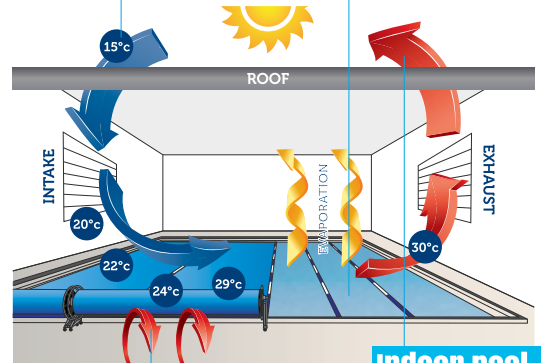
Heat and water is trapped in the pool

Heat loss by radiation into the air 30%

The higher the wind, the greater the heat loss

Cold outside air entering

Heat and water loss can be more than outdoor pools due to air handling systems moving air



Heat and water stays in the pool, saving you up to 60% on your heating bills

Warm moist air escaping



The Solution

Save money, water and the environment with a proven Elite Pool Cover System

A 50m outdoor pool (50x16x1.2 deep pool at 27°C NSW climate) will use 10,043,402 MJ. Pa, whereas a pool covered with an Elite blanket will use just 4,390,399 MJ. Pa; a saving of 5,653,063 MJ. Pa!

56% = Tens of thousands of \$\$\$\$ saved each year!

This equals a 296.22 tonne saving of greenhouse gases per year,** which is about the same as taking 70 cars off the road!

So, with figures like that, can you really afford not to cover your pool!

*Gas usage estimate by use of simulation program based upon international standards TRI 12596.

** Greenhouse gas calculation as per the greenhouse gases units 2005 publication.

Pool covers are now compulsory on all gas and electrically heated commercial pools in Australia | BCA2010V1

Pools using fossils fuels in general have paid off their initial capital cost in a year, to a year and a half. Most private schools with pools have pool covers to save on running costs, energy costs and maintenance costs.

1. An R Value is a measurement of resistance to heat flow from one source to another i.e. water to air.
2. In pool insulation, the higher the R value the better the insulation which means greater savings for you in heating and air handling costs.
3. Not all pool cover fabrics have the same R value due to many variables, e.g. thickness of foam core, density of foam core, water absorption, size of bubble and height of bubble, to name a few.





The Elite 4 or 5mm Thermal Shield

**R Value 0.13Kw (5mm) and
R Value 0.09Kw (4mm)**

Fabric Details

Elite's 5mm Thermal Shield Blankets have the highest R value on the market, giving you the best return on investment by saving the maximum energy, in turn saving you thousands of dollars. Elite's 4mm and 5mm thermal blankets use exclusive Airlon closed cell foam cores, which prevent up to 3 times less water from being absorbed into the blanket. Water absorption can make blankets heavy to handle, easier to tear and retain heat less effectively, giving you a poorer return over time. Although Airlon foam is more expensive than standard foam, over time the return is ten-fold which means greater value for money.

Note: Elite's Thermal Shield fabric has been tested to Australian and New Zealand Standards AS/NZ 4859.1 to obtain a true R value.

For your own peace of mind, insist on documented proof of testing AS/NZ 4859.1 to protect your investment dollars. The thermal insulating blanket has been designed specifically for heat retention and is best used when the ambient air temperature has dropped below the pool water temperature, e.g. overnight, as this material is opaque, thus producing no solar gain.

Method of fabrication

The Elite Thermal Blanket is tape welded on both sides. There is no stitching to break down on the joins and no exposed fabric to get torn. A perfect flat join also means it is harder for the wind to pick up the blanket. Elite Thermal Blankets last up to twice as long as blankets sewn with joins. The edges and ends are reinforced with a high wear resistant PVC membrane that doesn't hold water.

1. Wind Protection (for outdoor pools)

Due to the high wind exposure of outdoor pools, Elite has developed a unique "skirt" system that incorporated a lead impregnated rope to allow the sides of the blanket to sink slightly, giving wind protection. Elite's wind skirt system has proven to give the highest wind protection. This method is far more effective and quicker to use than tie down systems that will tear the blankets in time, costing you downtime and money.

2. Protective Edges (indoor pools)

Elite Pool Covers protective edge is always used on commercial indoor pool and in areas not effected by wind. The double stitched, 35mm PVC strip reduces potential ingress of water and fraying damage of blankets. Once sewn onto the blanket the protective edges locks nicely into the leading and trailing of the completed blanket. This option finishes off the edges for a smarter look and adds longevity to your investment.

3. UV Over-Covers

Elite's exclusive built-in UV resistant over-cover can be incorporated into the last 2 metres of each solar blanket outdoors. This system eliminates the need for the operator to remember to fit over-covers, because the over-cover forms part of the blanket, not just attached to the end of the blanket. There is no chance of them blowing loose in the breeze and exposing the blanket to UV damage when rolled up.

Value Added Elite Features

4. Wind Edge/Leading Edge/Trailing Edge/ UV Cover Sewn on - 25m-50m Pool

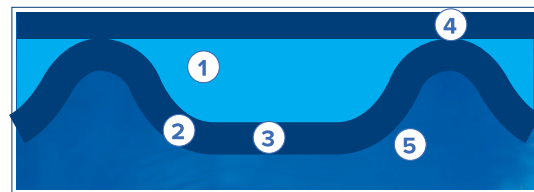


Elite Thermal Specifications

	4mm Reversible Thermal Blanket	5mm Reversible Thermal Blanket
Thermal Resistance:	R Value 0.09 kw	R value 0.13 kw
Material Width:	2 metres	2 metres
Colour:	Elite Grey	Elite Deep Blue
Filament Count:	10x10 per in° top & bottom	10x10 per in° top & bottom
Fabric Weight (upper layer):	600g/m	800g/m
Water Head:	500kpa*	500kpa*
Fabric Thickness:	4mm-4.5mm	5mm-5.5mm
Flex Resistance:	Good	Good
Water Absorption:	Best available	Best available
Breaking Force:	1250x1250 N/50mm**	2150x1700 N/50mm*
Elongation at Break (%):	50x50**	50x50**
Wing Tear Force (N):	400x400**	400x400**
Weld Strength:	100% as strong as fabric	100% as strong as fabric
UV Resistance:	Excellent	Excellent
Abrasion Rating at 3kg load:	Excellent	Excellent
Chemical Resistance:	Excellent	Excellent
Service Temperature:	-40°C to 70°C	-40°C to 70°C
Fabric Construction:	Three layers, flame bonded: Upper layer: High density polyethylene woven filament coated on both sides with UV stabilised, chemically resistant low density polyethylene coating. Middle layer: Airlon foam: cross-linked, closed cell, polyethylene foam; Reversible fabric HDPE woven membrane (same as top)	
Manufacturer:	Made in Australia	Made in Australia

Super Bubble Specifications

Chlor-Safe® Super Bubble Fabric Specifications	
	550 micron
Thermal resistance:	R value 0.085
Material width:	1.4 metres
Colour:	Blue
Bubble height:	6 mm
Bubble diameter:	20 mm
Fabric weight:	585 g/m ^a
Water absorption:	-
Fabric:	Extruded case polyethylene with maximum UV and chemical inhibitors added
Manufacturer:	Made in Australia



- ① Large bubbles: equals better insulation than other small bubble blankets, so your pool stays warmer overnight
- ② Broad base for better wind resistance and automatic cleaner operation plus, the best Solar Absorbency
- ③ Thicker than standard blankets a Saltsafe Chlor-Safe® base equals a longer life and a better investment
- ④ Ultra-heat® deep colours; warms your pool better than pale blue blankets so you will swim sooner for longer
- ⑤ Formed around base for a stronger and longer lasting blanket: No Weak Points



Elite Super Bubble Specifications

R Value 0.085, 550 micron Bubble Chlor-safe® solar blanket

The Elite Super Bubble® blanket will increase heat for outdoor pools, while on during daylight hours, or increase the water temperature in outdoor pools. Elite Super Bubble® pool blankets are formulated and proven to last in Australia's harsh environment by using the world's latest technology.

Elite Super Bubble® pool blankets are proven to heat and insulate better, due to their dark high absorbent colour and large insulating bubble size*.

Elite has been developing Solar Pool blankets for since 1989, that truly work and last – allowing the warranty that Elite offers to be proven by time. With 100's of systems across Australia and around the world, we are proud to have the best insulating bubble blanket on the market.

Fabric Details

Elite's exclusive 550 micron deep blue high absorption Chlor-Safe® Super Bubble® type solar/thermal blanket fabric, is the only fabric that has been specifically designed for commercial pool covers, providing the best protection against chlorine & UV degradation.

Elite's Super Bubble® has been developed to be the longest lasting, highest strength, bubble type fabric on the market. R Value = 0.085kw. Australian Designed and manufactured for Australian conditions.

Method of Fabrication

The Super Bubble fabric is automatically seam welded from wide panels. Both ends and edges have large, high wear resistant, 200mm thermal reinforcing and the stitching has the highest UV and chlorine inhibitors. Each blanket will have its own easy to use haul cord fastening system.

1. Wind Protection (for outdoor pools)

Due to the high wind exposure of outdoor pools, Elite has developed a unique "skirt" system that incorporated a lead impregnated rope to allow the sides of the blanket to sink slightly, giving wind protection. Elite's wind skirt system has proven to give the highest wind protection. This method is far more effective and quicker to use than tie down systems that will tear the blankets in time, costing you downtime and money.

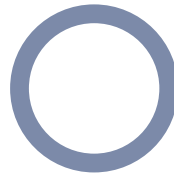
2. Protective Edges (indoor pools)

Elite Pool Covers protective edge is always used on commercial indoor pool and in areas not effected by wind. The double stitched, 35mm PVC strip reduces potential ingress of water and fraying damage of blankets. Once sewn onto the blanket the protective edges locks nicely into the leading and trailing of the completed blanket. This option finishes off the edges for a smarter look and adds longevity to your investment.

3. UV Over-Covers

Elite's exclusive built-in UV resistant over-cover can be incorporated into the last 2 metres of each solar blanket outdoors. This system eliminates the need for the operator to remember to fit over-covers, because the over-cover forms part of the blanket, not just attached to the end of the blanket. There is no chance of them blowing loose in the breeze and exposing the blanket to UV damage when rolled up.

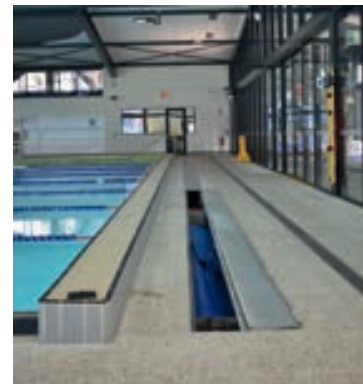
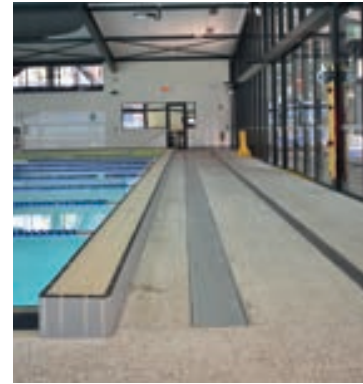




Elite Commercial Hideaway Systems

The Elite Commercial Hideaway System is built into the concourse, with the extruded Aluminium Lids designed to reduce trip hazards and rusting. The Hideaway System allows the Centre

- ✓ To maximise space
- ✓ Reduce potential hazards
- ✓ Elevates pushing or pulling Rollers
- ✓ Suitable to virtually all pool sizes





Hydraulic operated
Bench Seat system



West Coast Eagles



Elite Bench Seating Pool Cover systems

Elite's range of Bench Seating save space and offer additional seating in and around the aquatic centre. Pool blankets roll on and off easily, with manual, driven by Blanket Buddy and Hydraulic systems available.





Elite Auto Rollers

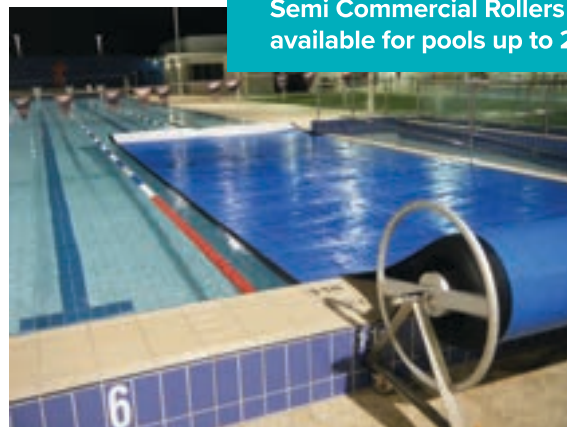
Elite Auto Rollers are versatile space and labour savers

Elite Pool Covers Auto Roller systems are designed to reduce risk. They allow pool covers to be installed in tight spots whilst reducing storage and the movement of rollers.

Elite Auto Rollers are a long lasting compact roller system range. The construction is from 10mm thick 316 marine grade stainless steel that is CNC bent, then TIG welded.

The frame is electro-polished to the highest oil rig corrosion resistant standards. The rollers can be driven via Elite's exclusive detachable steering wheel system or Blanket Buddy (motorised). All Elite rollers have a 30mm square drive, machined into the axles, to enable positive drive by the Elite Blanket Buddy or detachable steering wheel manual drive.

The drive axles are solid 38mm heat treated 316 stainless steel with cast on end plugs, and will give you years of trouble free operation. Rollers can be stationary or mobile. The mobile rollers run on large non-marking wheels within 316 stainless steel 360 degrees rotating brake casters that do not seize.



Semi Commercial Rollers are available for pools up to 20 metres.



Elite Easy Options

Elite Outrigger (allows blankets to glide smoothly over starting blocks)





Bill Kirby, Olympic Gold Medalist



Elite Blanket Buddy Does the work for you

Make life easier with an Elite Blanket Buddy

Let your Buddy make life easier to you

- ✓ **Occupational Health and Safety incidents are reduced**
- ✓ Elite's motorised Blanket Buddy assists in the work, it's one person easy operation, saves time and money and actually pays for itself with labour savings...
- ✓ Blanket Buddy is highly versatile and easily powers new and existing rollers
- ✓ Blanket Buddy covers and uncovers in no time: Foot control
- ✓ Reduces staff time significantly on 25m pools, especially for 50m pools
- ✓ Get the Elite Blanket Buddy working for you!
- ✓ Adjustable height settings on Blanket Buddy are an option and make it suitable to use with Bench Seating and Commercial Elite Rollers
- ✓ Blanket Buddy magnetic charger connections can come as an optional extra.



Let Elite Pool Covers make life easier for you

Toll Free: 1300 136 696

Head Office: +61 08 9240 2262

Email: sales@poolcovers.com.au

Web: poolcovers.com.au



commercial systems | Motorised systems | Thermal covers | Roller systems