

AquaForce[®]

the ultimate pool surface

Like elite swimmers,
AquaForce uses
second-skin technology
to outperform all others.



> AquaForce

Like current world swimming champions, AquaForce also uses second skin technology, which is now being used worldwide, as the 'surface finish of choice' for commercial pool operators.

There has never been a more purpose designed material created specifically to cater for the high demands of commercial pool surfaces.

- > Prevents leaks and cracks
- > Saves water and maintenance costs
- > Rejuvenates old pools
- > Soft to touch finish
- > Hard wearing
- > Unlimited freedom of shape and design
- > 10 year limited warranty
- > Easy to maintain

AquaForce uses new millennium polymer technology that fuses together 3 plies to form a strong, flexible and impervious skin. The first layer has high dimensionable stability and tensile strength. The second is a scrim or web material controlling stretch, while the third and external layer has been designed with a tactile surface to interact with water, chemicals and ultra violet light. The result of this technology is a water-tight membrane, that is second to none.



A safe, flexible and water-tight barrier

One thing we find impossible to halt in nature is movement.

AquaForce is the perfect pool surface finish that is both waterproof and is permanently flexible over time. This means that even if there is movement in the foundations, that would cause tiles or other surfaces to crack and therefore leak, **AquaForce** has the flexibility and the tensile strength to flex and bend with the movement, maintaining the waterproof barrier.

Ease of Fabrication

AquaForce can be installed using thermal welding techniques to provide a strong waterproof, smooth and durable finish. All cut edges are sealed to prevent water or chemicals entering the scrim.



New pool construction

If integrated into the initial designs in the engineering process, **AquaForce** can reduce the overall structural costs of any new pool.

AquaForce forms the perfect leak-proof barrier between water and a variety of substrate materials such as concrete, stainless steel, timber and fibreglass. Due to its heavy gauge and surface bonding, **AquaForce** lays flat and resists wrinkling caused by expansion and contraction of the underlying substrate material and varying water temperatures.



Bunbury Leisure Centre,
WA, Australia
AVP Constructions*

Existing pool refurbishment

AquaForce is the ideal solution to cost-effectively waterproof existing structures, update the visual appearance and create a more tactile environment for human interaction.

Our unique 3 ply construction guarantees strength and flexibility as well as high puncture resistance. **AquaForce** will conform to any shape or pool wall configuration, whether the floor and walls are at right angles or curved – seams are simply invisibly welded to follow the contour.

AquaForce reduces costly on-going maintenance of older pools, e.g. filling cracks and replacing tiles, as any continual ground movement often causes any other pool shells to crack and leak, whereas **AquaForce** will flex with the pool shell.

A list of attributes that make AquaForce the ultimate waterproof barrier

AquaForce:

- Is ideal for all high-use indoor and outdoor pools including Community Leisure, Aquatic Sporting facilities, Schools and Hotel and Resort recreation.
- Is thermally welded to fit like a skin to any shaped pool.
- Has thermal properties that reduce heat leaching away from the water, therefore reducing heating costs.
- Is completely waterproof, resulting in considerable savings on water costs.
- Gives new pools a contemporary appearance and rejuvenates older pools, making them look like new.
- Is permanently flexible over time, meaning that as the ground moves, **AquaForce** will remain watertight and in tact unlike other traditional pool finishes.
- Can be purpose-joined in different colours to create shapes, which can be anything from lane markings to logos – all to your specifications.
- Is UV treated for both indoor and outdoor use against the damaging effects of the harsh Australian sun.
- Has a non-abrasive surface layer creating grip and preventing cuts and scrapes to even the most sensitive skins.

Reduced costs make operators smile

- Less chemicals and less maintenance – during manufacture a powerful fungicide is added, resulting in lower chemical doses and less physical maintenance.
- Reduced electrical consumption – 3 ply construction ensures a thermal barrier between water and walls.
- Lasting good looks – **AquaForce** has a top lacquer coat designed to resist staining, fading and chemical attack from common introduced substances such as pool chemicals and suntan oils.
- Pool safety – is increased as **AquaForce** is a soft surface material insulating users from hard surfaces.

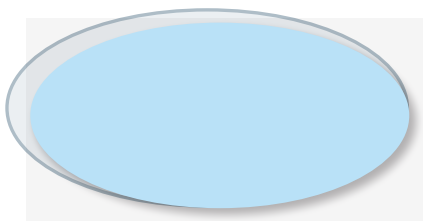


Busselton Aquatic Centre,
WA, Australia
AVP Constructions*

> AquaForce Sample



> AquaForce Colour Palette



> AquaForce Specifications

PROPERTY	Test Method	Unit	AquaForce
Thickness	ISO 2286.3	mm	1.14 ±0.10
Width	ISO 2286.1	mm	1850 +10 -0
Roll Length	ISO 2286.1	m	25.2
Weight	ISO 2286.2	gsm	1300 ±100
Dimensional Stability	1hr @ 82°C	%	0.7 max
Tensile Strength	ISO 1421:1995 method 1	N/50mm	L = 1000 min
Bacterial Resistance	AATCC M90-1970	inhibition	Complete
Tear Strength	ASTM D1117	N	L = 100 min T = 175 min
Accelerated Weathering (QUV for 800 hours)	ASTM D4329	Grey scale	4 min
Bond Strength	ISO 2411	N/50mm	70 min

Peace of mind

New product installation can be disruptive and stressful - AquaForce can be installed with the minimum of fuss and delays because 'no water' means 'no business'.

Our team has been designing and supplying pool liners for over 30 years and can refer you to independent installers and fabricators who could assist you with the planning of your commercial pool requirements.

Swimlinings confidently supports all its **AquaForce** products with a 10 year limited warranty – see warranty document for details.

Decide on **AquaForce** and you are choosing a product that is synonymous with high quality leisure products and a name that will be around for years to come, should you need support or advice.

Croydon Aquatic Centre,
VIC, Australia
Liner Specialists*





Swim Centre,
Bangkok, Thailand
JD Pools*



Resort Installation,
Phuket, Thailand
JD Pools*



Bunbury Leisure Centre,
WA, Australia
AVP Constructions*

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*Photos supplied as indicated in each caption.

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