

LEISURE POOLS ARE SUPER POOLS

allnex
The Coating Resins Company



YOU GET WHAT YOU PAY FOR.

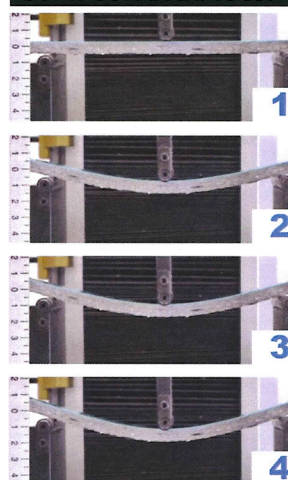
As you're probably learning, there are many different types of pools. Leisure Pools are not just "fibreglass" pools, but much more. By incorporating patented Composite Armour™ technology to provide additional strength and durability and using corrosive resistant 100% Full Vinyl Ester Resin throughout the build process, your pool is kept safe, secure and free of damage, allowing us to offer A LIFETIME STRUCTURAL AND OSMOSIS WARRANTY ON YOUR LEISURE POOL.

PREVENT OSMOSIS

Esters in the resin of a fibreglass pool are susceptible to breaking down, allowing water to penetrate through. Bubbles of trapped water and pressure continue to grow in-between structural layers of the pool shell.

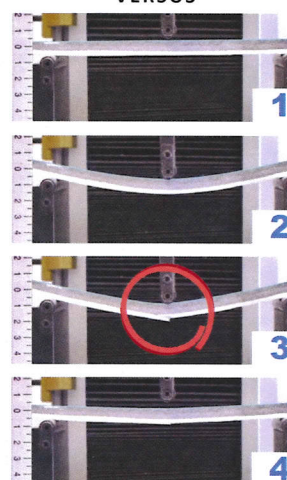
Leisure Pools understands the importance of resin quality and uses **100% FULL VINYL ESTER RESIN** throughout the build process. This means water cannot penetrate through any layer of the pool shell and compromise the structural integrity of the pool shell. This is how Leisure Pools is able to offer our Lifetime Structural Osmosis Warranty.

COMPOSITE ARMOUR™



LEISURE POOLS

VERSUS



the INDUSTRY STANDARD

COMPOSITE ARMOUR™ DURABILITY

The test results above illustrate the tremendous improvement in bend strength of a pool shell sample made with Composite Armour™ over the industry standard, seen fracturing under the weight applied to it.

Utilised in the aerospace and automotive industries, in bullet proof vests (Kevlar), military vehicles and wind turbines, Composite Armour™ contributes strength properties. This means that your Leisure Pool will move with the earth around it, providing a more custom fit that greatly reduces any opportunity for breakage.

TRAPPED WATER

PRESSURE BUILD-UP

PERMEATING WATER

BACKFILL AROUND POOL SHELL

GEL COAT LAYER

SINGLE VINYL ESTER RESIN LAYER

THE PROCESS OF OSMOSIS

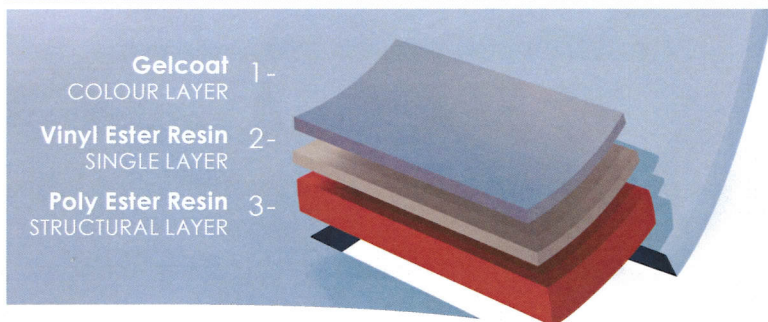
POLY ESTER RESIN STRUCTURAL LAYER

“ Resin is the largest ingredient in a fibreglass pool shell. Approximately 70% of the pool shell is made from resin. The esters in resin are susceptible to breaking down when exposed to water. ”

- Dr. David Rogers, PHD. RESIN CHEMISTRY

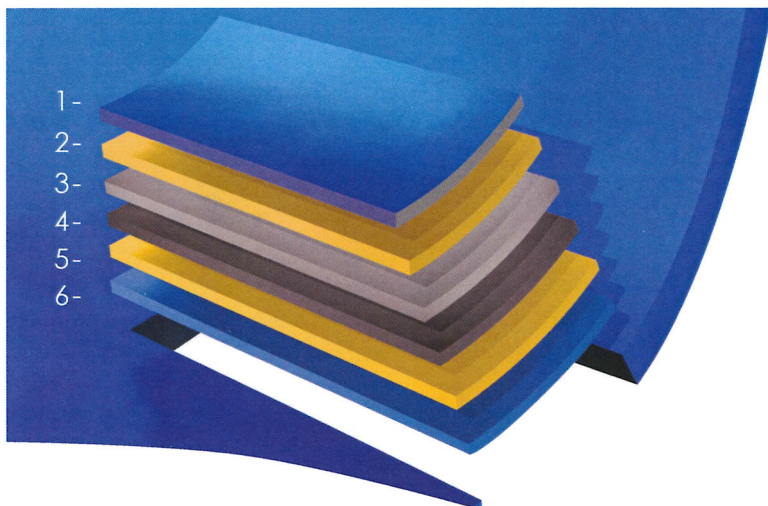
POLY ESTER RESIN INDUSTRY STANDARD

- | | |
|-----------------------------|--|
| ✗ CHEAPEST RESIN AVAILABLE | ✗ POOR RESISTANCE TO MICROFRACTURING |
| ✗ POOR CORROSION RESISTANCE | ✗ POOR RESISTANCE TO SHRINKAGE |
| ✗ POOR STRENGTH PROPERTIES | ✗ POOR RESISTANCE TO WATER PENETRATION |



VINYL ESTER RESIN LEISURE POOLS

- | | |
|--------------------------------|--|
| ✓ HIGH QUALITY EXPENSIVE RESIN | ✓ HIGH RESISTANCE TO MICROFRACTURING |
| ✓ HIGH CORROSION RESISTANCE | ✓ HIGH RESISTANCE TO SHRINKAGE |
| ✓ HIGH STRENGTH PROPERTIES | ✓ HIGH RESISTANCE TO WATER PENETRATION |



BETTER POOLS BEGIN WITH BETTER MATERIALS

And More Of Them...

The primary ingredient in any fibreglass pool is resin. There are two different types of resin utilised today in fibreglass pool construction.

POLY ESTER RESIN is the cheaper, far less durable option for fibreglass pool construction. The high ester content of Poly Ester Resin creates a swimming pool that is vulnerable to Osmosis. To save on cost, most swimming pool manufacturers use primarily Poly Ester Resin, applying, at most, one single layer of Vinyl Ester Resin.

VINYL ESTER RESIN is a high performance, corrosive-resistant resin that prevents water penetration while also improving strength properties of the shell.

Leisure Pools uses only Vinyl Ester Resin in the construction of our Composite Armour™ pools, comprised of 6 total layers of cutting edge quality.

- 1 Gelcoat COLOUR LAYER
- 2 Vinyl Ester Resin CORROSIVE-RESISTANT FIBREGLASS LAYER
- 3 Vinyl Ester Resin CORROSIVE-RESISTANT FIBREGLASS LAYER
- 4 Composite Armour™ CORE OF STRENGTH
- 5 Vinyl Ester Resin CORROSIVE-RESISTANT FIBREGLASS LAYER
- 6 Vinyl Ester Resin FINISHING LAYER

“LIVE YOUR LIFE OF LEISURE” ENJOY THE DIFFERENCE

It is through investing in this level of quality that Leisure Pools can offer you the best option to enjoy the life you deserve - free from worry with a higher security in your investment. What is the most important reason we do this?
Simply put, peace of mind.

