



POWERPLASTICS

— poolcovers —



ROLDECK
THE ORIGINAL
POOLCOVERS



JetStream **UWE**

the home of pool safety
TopStep.co.za

PowerPlastics Pool Covers

Swimming pools and changing behaviours

- The critical need for change - pool filtration
- Reducing the effect on the load of the national grid.
- The pool consumes 12% of the total power bill in the average home.
- A pool cover can reduce this to 6%

Why change is needed?

- SA has an energy crisis
- Pools are using .37% of SA's national grid every day!

The figures

The average pool pump
Run for 6 hours a day

> .750 Kwh. pump
> 4.5kwh used per day on
filtration

Multiply by 600 000 pools in SA

> 2 700 megawatts on filtration
per day in SA

National grid installed capacity
Available capacity/peak demand
Pool pumps alone are using
day

> 43 319 megawatts per hour
> 720 000 megawatts per day
> .37% of the national grid every
day

Factor in pumps with higher specs, heat pumps, chlorinators:
1% of the national grid daily used by pools

How low can you go?

- Turn the filter off entirely during the week.
- Keep the filter on for up to 4 hours on Saturday and up to 4 hours on Sunday.
- Turn off the pump for the next week. For even lower filtration times/power usage, cover the pool.
- Work your way down to just one hour of filtration in total on the weekend. You will be pleasantly surprised!

Practical tips for energy-smart pools

- Cover the pool
- Move filtration times into off peak hours
- Turn off non essential features such as fountains or jets
- Scoop leaves manually to reduce the load on the pool pump and shorten filtration times
- Fit a newer more eco-friendly and power-efficient pool pump. Older pump bearings are so tight, the pump uses more amperage

Practical tips for energy-smart pools

- Don't let the pool go green. This will require even more filtration in the long run.
- Manage your water temperature with natural sunlight through a thermal cover. Heat pumps start at 5kwh and increase to up to 15 depending on the specification and size.
- Check your pool filter timer settings regularly. Sometimes power outages affect timers and will need to be adjusted.

Other benefits of pool covers

- ❧ **Water savings**

 - Evaporation reduced by 98%**

- ❧ **Chemical savings**

 - Chemical input reduced by up to 70%**

- ❧ **Heat retention and warmer water**

 - Harnesses the sun's energy and retains heat generated during the day**

- ❧ **Water hygiene**

 - Prevents debris collecting pool**

- ❧ **Financial savings**

 - Noteworthy household savings are made on power, chemicals and water**



Energy Saving Cover - EnergyGuard



Heating cover – Sol+Guard



Energy-saving Solid Safety Cover

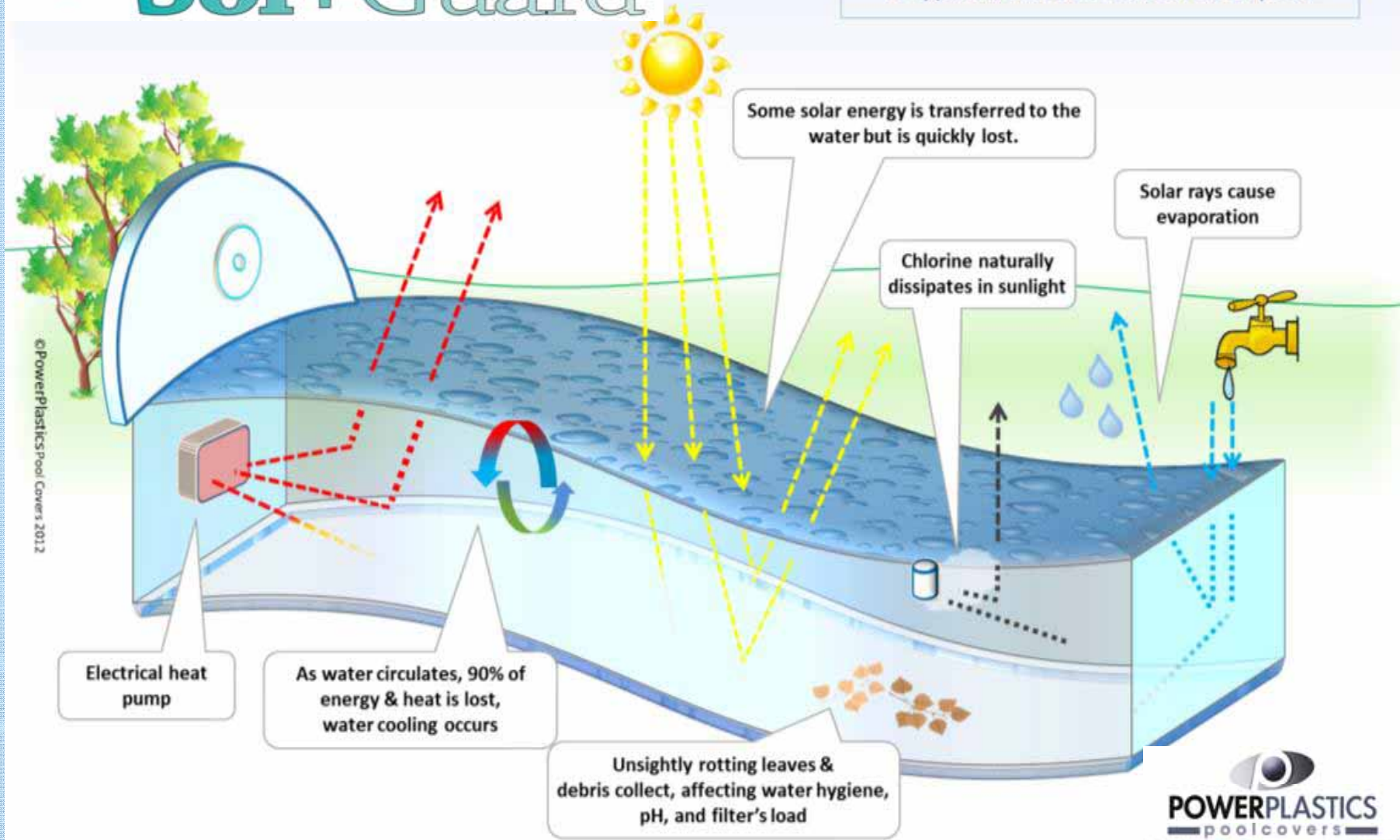


**Fully automatic cover -
Starline Roldeck**



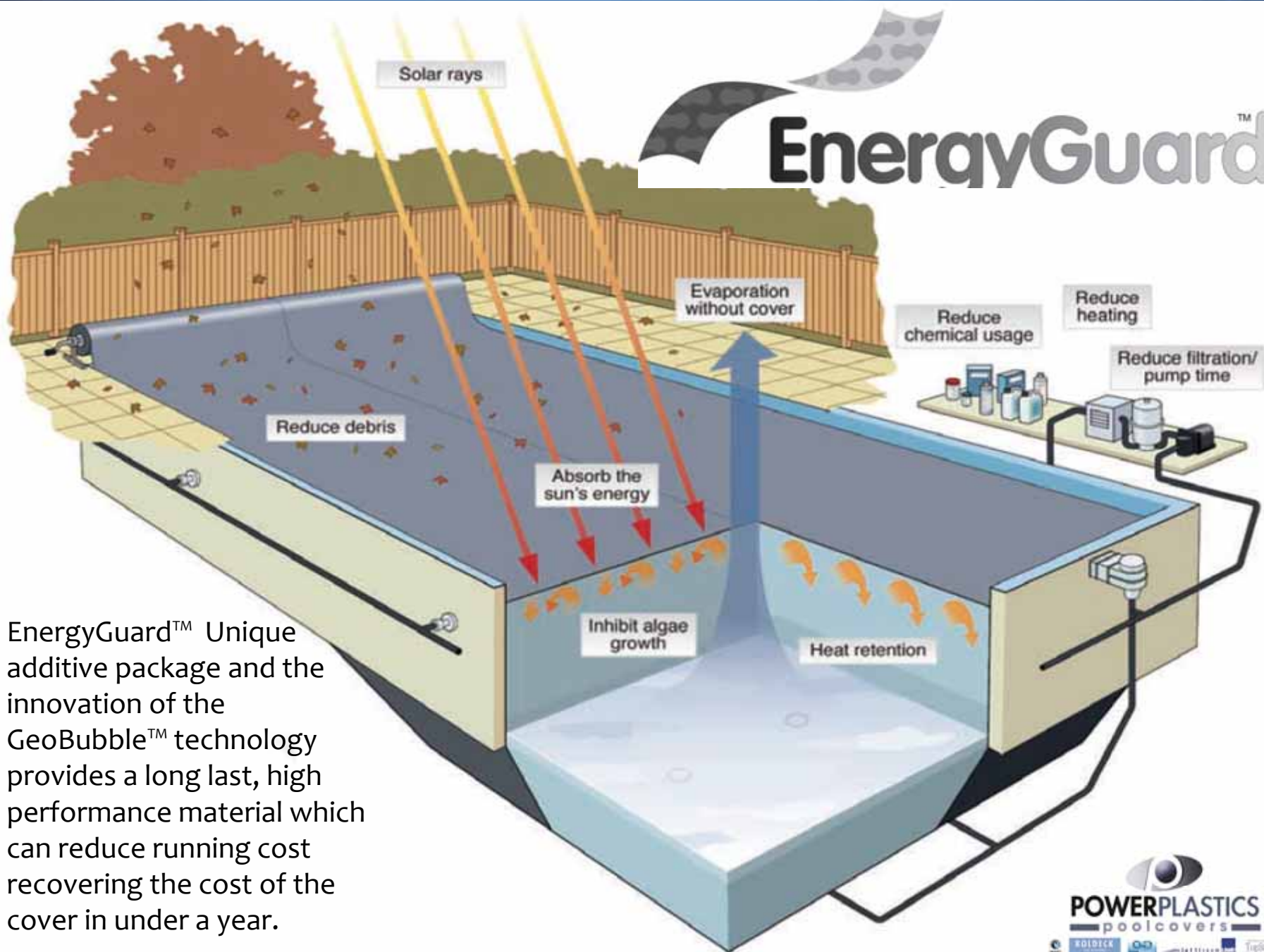
Sol+Guard™

A typical, uncovered outdoor pool



©PowerPlasticsPool Covers 2012

EnergyGuard™



EnergyGuard™ Unique additive package and the innovation of the GeoBubble™ technology provides a long last, high performance material which can reduce running cost recovering the cost of the cover in under a year.

About PowerPlastics Pool Covers

- PowerPlastics Pool Covers is an incredibly innovative company which promotes a sustainable lifestyle choice, not just a pool cover.
- A range of high performance covers developed to directly address issues affecting domestic and commercial pool owners:
 - The need to lessen power consumption
 - The need to conserve water
 - The need to reduce chemical usage/greenhouse gas emissions
 - The need to minimise operational overheads and make financial savings
- A national and regional footprint through Gauteng and Western Cape sales teams and a wide network of approved Distributors.
- Case studies available on the power, water and chemical savings achieved with the right thermal cover.

www.powerplastics.co.za

