



# POWERPLASTICS

— poolcovers —



**ROLDECK**  
THE ORIGINAL  
POOLCOVER



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

Multiply by 600 000 pools in SA

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

- > .750 Kwh. pump
- > 4.5kwh used per day on filtration
- > 2 700 megawatts on filtration per day in SA
- > 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**



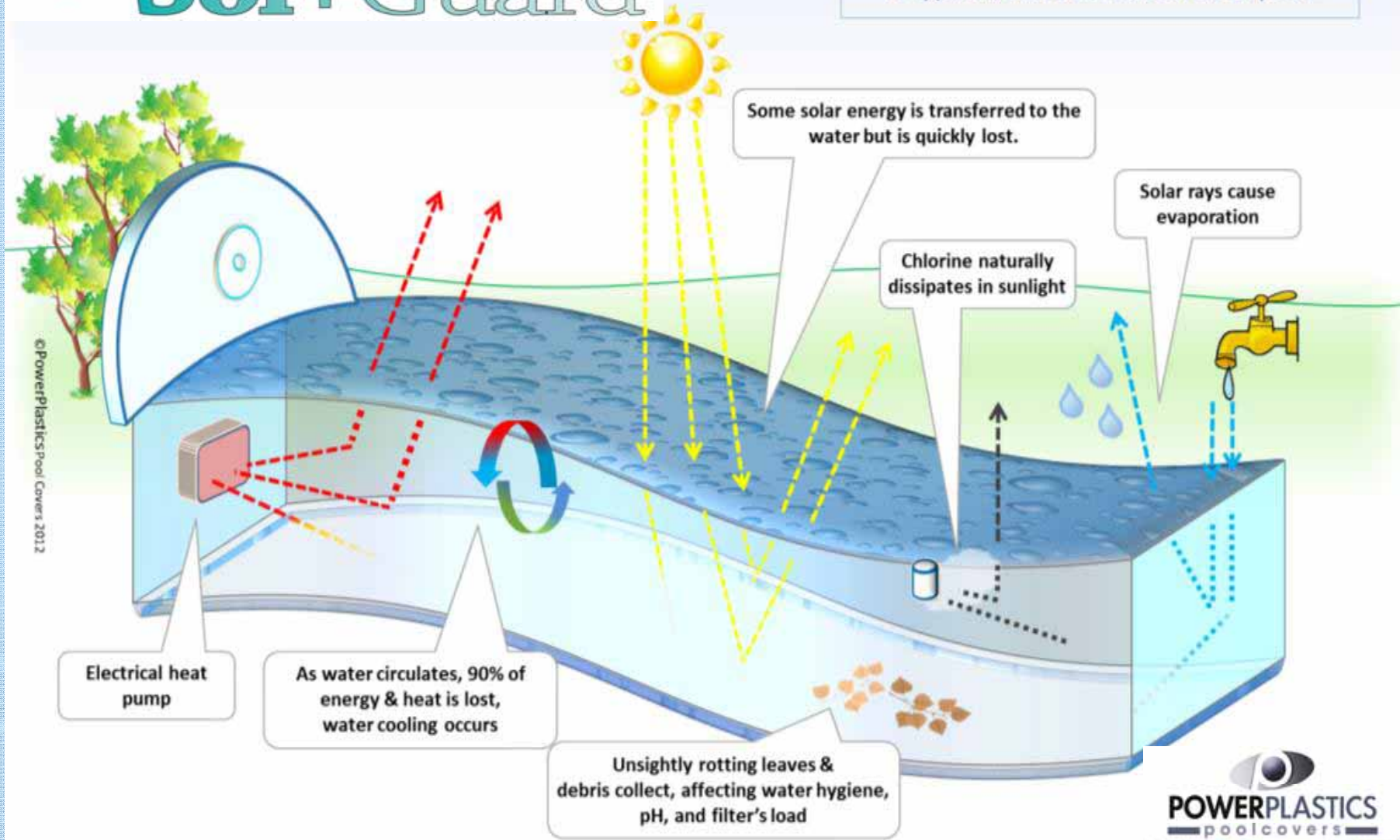
**Fully automatic cover -  
Starline Roldeck**





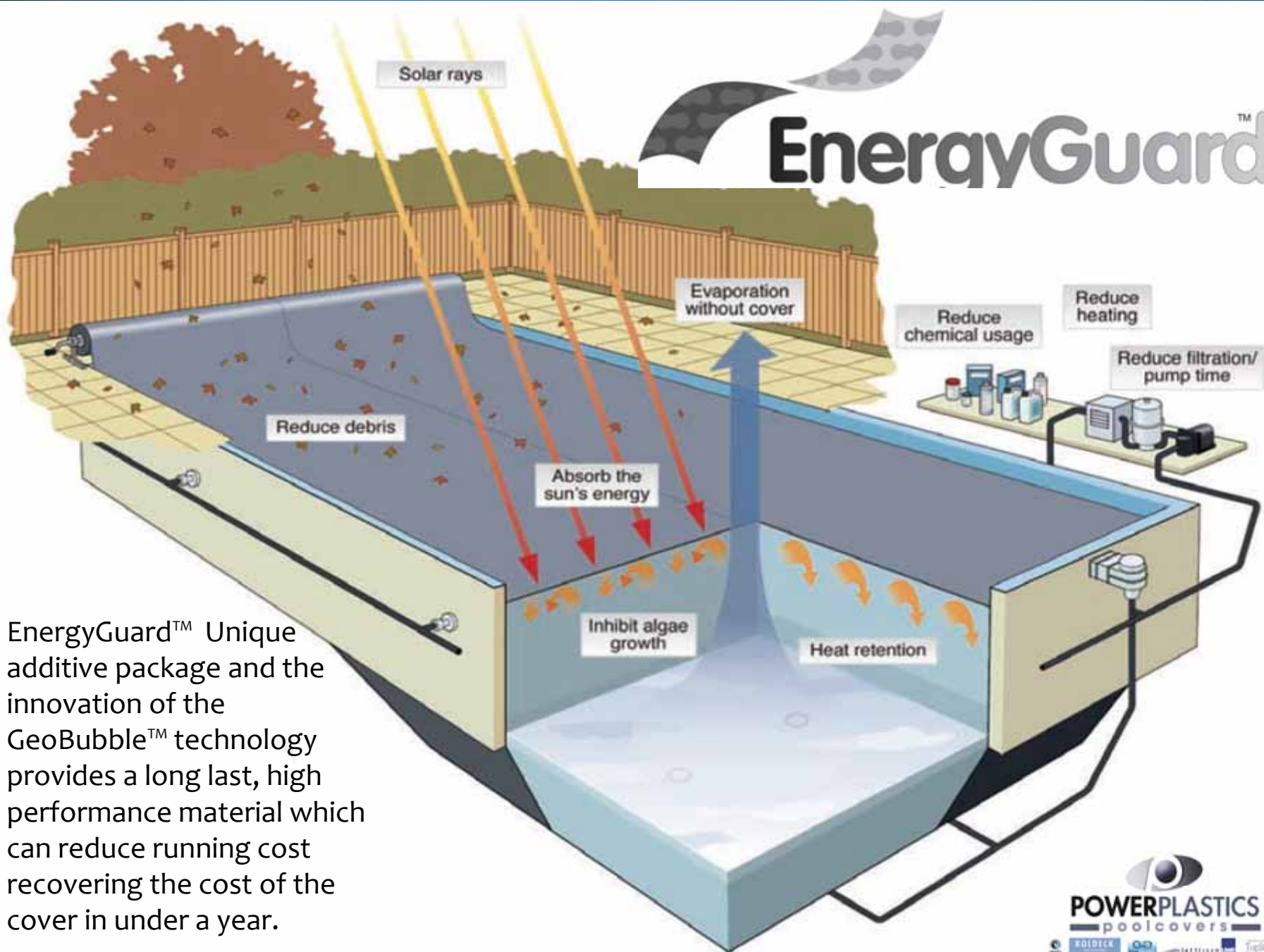
# Sol+Guard™

A typical, uncovered outdoor pool



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# 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](http://www.powerplastics.co.za)

