

EnergyGuard Selective Transmission™: a new era in eco-wise pools

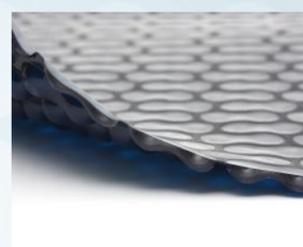
There is increasing pressure to live more eco-conscious lifestyles and to consider the environment in our daily household habits. The EnergyGuard cover is an effective way to align a pool with responsible, holistic lifestyle choices and the simplest way to address domestic carbon and water footprints. The cover has won awards and is recognised as the leading eco-wise pool cover. Locally, the cover's superior manufacturing and design remains unparalleled.



Why EnergyGuard?

Until now, pool owners have had to choose between raising water temperatures via thermal covers manufactured in a transparent solar material, or reducing filtration and chemical costs via an opaque pool cover material. An upgrade of the EnergyGuard, to the new selective transmission material, has opened up the options and one pool cover can now achieve both sets of benefits, making it the most innovative thermal cover to date. Designed to inhibit light entry into the pool which makes it difficult for algae to survive, it reduces the amount of filtration required, reducing power consumption by up to 50%, as well as heating the water naturally.

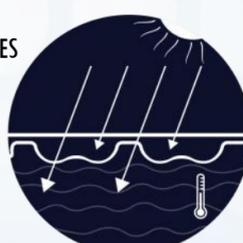
Given the ongoing power crisis in South Africa and the need to lessen the load on the national grid, this energy-saving pool cover has quickly become the cover of choice for local pool owners looking to save power and also save money by adopting a product that enables a change in behaviour without affecting the day to day lifestyle.



**INHIBITS
ALGAE
GROWTH &
DEBRIS**



**INCREASES
WATER
TEMPS**



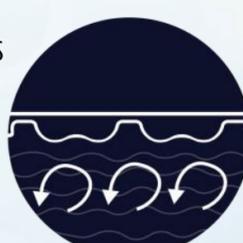
**REDUCES
PUMP
TIME**



**ELIMINATES
EVAPORATION**



**RETAINS
HEAT**



**SAVES
MONEY**



Benefits of the EnergyGuard

- Reduce filtration/pump time by up to 50%**

Filtration is still required for aeration and eradicating minor impurities but with the EnergyGuard, pump time can be halved which makes for considerable power savings. In an average domestic pool, the pool pump consumes 12% of the household's electricity. EnergyGuard reduces this by 50%.

- Warmer water and improved heat retention**

The cover absorbs the sun's heat and transfers it to the water, generating free energy and raising temperatures by up to 7°C. Because the water is not exposed to cool air, energy is no longer lost in the evaporation process - one of the main causes of heat loss. On heated pools, EnergyGuard allows for lower settings on heat pumps and solar heating becomes considerably more effective. The swimming season can be extended by 6 to 8 weeks accordingly.

- Reduce water evaporation by 98%+**

The cover lies directly on the water therefore evaporation is reduced, curbing water loss and conserving this natural resource. In local conditions, an average pool (8m x 4m) can lose up to 38 400 litres of water annually, if left uncovered.

- Reduce chemical consumption by up to 60%**

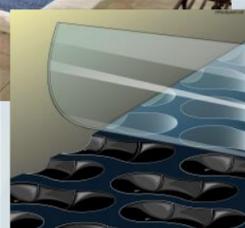
With less algae growth, less chlorine is needed with an EnergyGuard. The cover also prevents chlorine from evaporating into the atmosphere when exposed to sunlight, making the chlorine in the water work more effectively.

- Reduce debris contamination**

The EnergyGuard prevents dirt and leaves collecting in the water which greatly improves water aesthetics and hygiene.

- Save money**

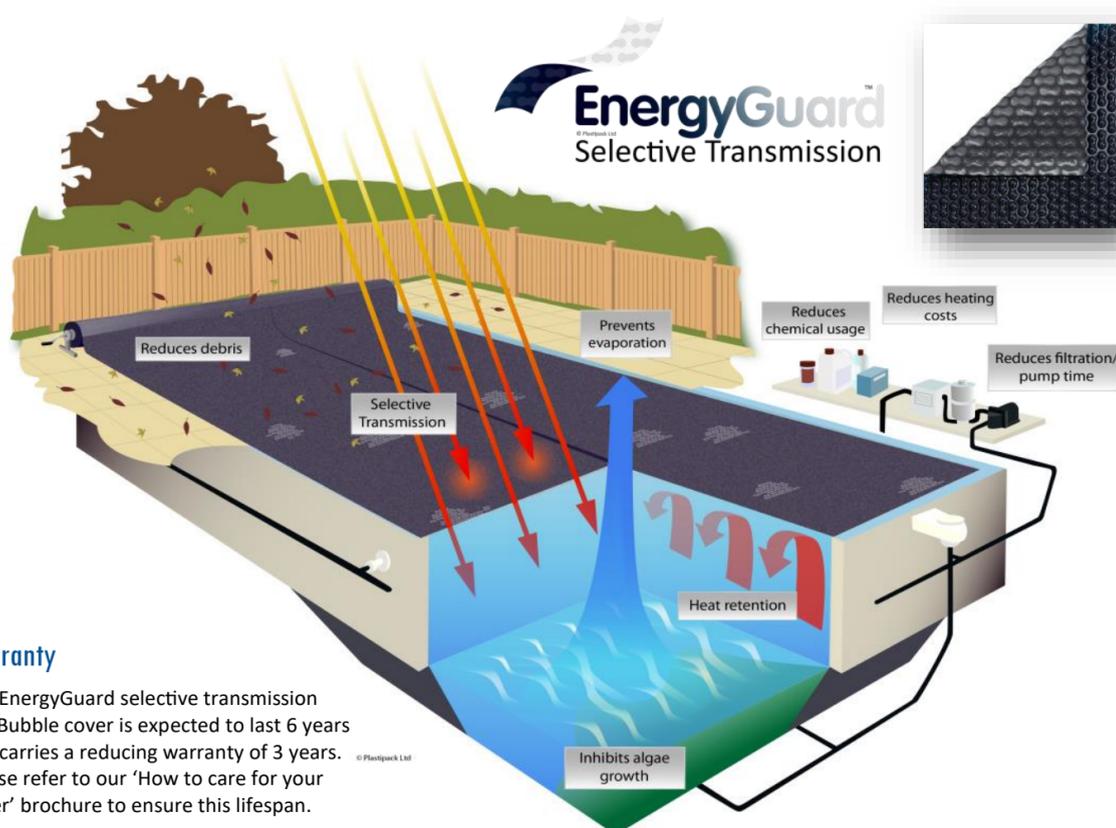
In an average household, 12% of the electricity bill can be attributed to the pool pump. By using less energy, less chemicals and less water, this cover has a payback period of approximately 18 months.



The science behind EnergyGuard's™ selective transmission material

The EnergyGuard selective transmission material absorbs the wavelengths that ordinarily promote algae's photosynthesis, instead, converting these wavelengths into heat through conduction. The cover also directly transmits other wavelengths into the pool water where they heat the water directly. This means that all available wavelengths of solar energy are efficiently harnessed and utilised to heat the pool while keeping the pool algae free at the same time.

This remarkable technical innovation creates a high performance material capable of raising water temperatures naturally by up to 7°C, reducing both chemical consumption by 60% and energy consumption by 60%, all in an algae-free environment. As such, the new EnergyGuard selective transmission material marks a significant breakthrough in high performance GeoBubble covers.



Warranty

The EnergyGuard selective transmission GeoBubble cover is expected to last 6 years and carries a reducing warranty of 3 years. Please refer to our 'How to care for your cover' brochure to ensure this lifespan.

GeoBubble - raising the bar for thermal pool covers

Introduced in 2012, GeoBubble is the material used for our thermal range. It is 25% more resilient than a traditional thermal cover due to its unique and highly spec'd shape of a 'peanut' or geo bubble. This bubble shape lasts longer as its design eliminates sharp corners and thin points. By purchasing a GeoBubble cover, you are purchasing the best cover that is specifically designed and manufactured for pools, not merely packaging material in a bubble shape. GeoBubble is a high performance, highly technical product manufactured by the world leaders in adjusting light and heat into water. Always ask for the GeoBubble shape to ensure the highest quality pool cover with an excellent lifespan, resistant to the chemical environment of a pool and designed to last in the harsh sun. All GeoBubble covers perform well on heat retention, water retention/minimising evaporation and reducing the pool's chemical requirements. This material brings overall superior performance to our thermal range and sets a new benchmark for heating pools naturally. For more info on GeoBubble, visit www.powerplastics.co.za.

