

Sol+Guard™: the high performance heating cover

The global need to adopt new and sustainable energy sources remains critical. However, outdoor swimming pools are directly exposed to one of the cleanest, most sustainable energy resources known to man — the sun. So why use carbon, a non-renewable resource and a pollutant, to heat your pool? For pool owners seeking a more stable water temperature, the Sol+Guard™ high performance thermal pool cover is one of the most intelligent and affordable ways to transfer this natural energy to pool water. This eco-smart cover is top of its class when it comes to maximum solar gain.



What makes the Sol+Guard™ cover unique?

The Sol+Guard™ cover has an innovative two ply combination with a clear surface and a translucent tinted underside. Tests prove that the more translucent a bubble cover is, the greater the penetration of solar energy into the pool water. Its remarkable free energy gain has earned the Sol+Guard™ the reputation of 'the heating cover on steroids'.

INCREASES
WATER
TEMPS



REDUCES
CHEMICAL
USAGE



INHIBITS
ALGAE
GROWTH &
DEBRIS IN THE
WATER



RETAINS
HEAT



ELIMINATES
EVAPORATION



Benefits of the Sol+Guard

- **Generate heat: up to 8°C of free energy added to water temperature**
The unique Sol+Guard™ cover allows maximum solar gain to pass through the cover, adding up to 8°C to the water. This extends the swimming season by up to 8 weeks either side of the season.
- **Eliminate water evaporation by 98% +**
Sol+Guard™ eliminates water evaporation by over 98%, greatly reducing water consumption as well as conserving a vital natural resource. Research proves that the evaporation loss for an average sized pool, 4m x 8m, is approximately 38 4000 litres per annum.
- **Reduce energy consumption by over 50%**
Heat retention tests conclusively prove energy savings of over 50%. Where solar or electrical heating is used, a reduced number of panels is required where a Sol+Guard™ cover is in use.
- **Reduce debris contamination**
Debris such as leaves, dirt and insects are unsightly in a pool and also provide nutrients for algae and bacteria to feed on. With Sol+Guard™, the majority of these contaminants are prohibited from entering the pool, greatly improving the water hygiene.
- **Reduce chemical consumption by up to 30%**
Sol+Guard™ allows for chemical input to be reduced by up to 30%.



Materials and specifications

Sol+Guard™ is manufactured from the durable 500 micron GeoBubble material, formulated for local climate conditions. The non-toxic additives used combine weather and chemical resistant pigments with high performance light, weather and chemical stabilisation.

Environmental benefits

A pool cover reduces the carbon footprint by reducing a home's energy usage and the wastage of natural resources. Tests show that with the savings on water, heating, electricity and chemical costs, pool covers such as Sol+Guard™ contribute to environmental sustainability and reduced carbon footprints. Sol+Guard™ is also recyclable at the end of its life.

Warranty

This high performance GeoBubble cover is expected to last 6 years and carries a 3 year pro rata warranty. Please refer to our 'How to care for your cover' brochure to ensure this lifespan.

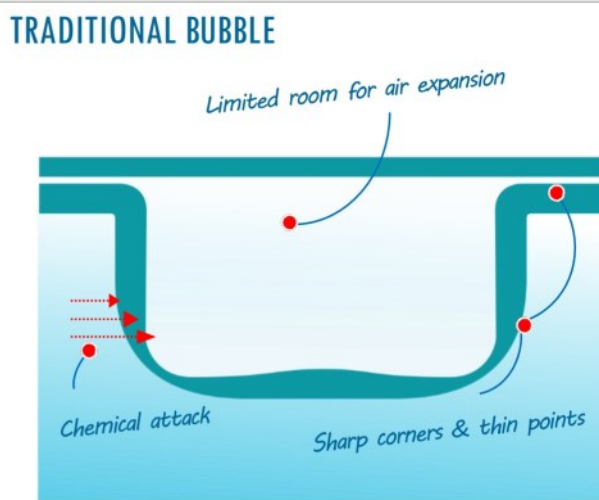
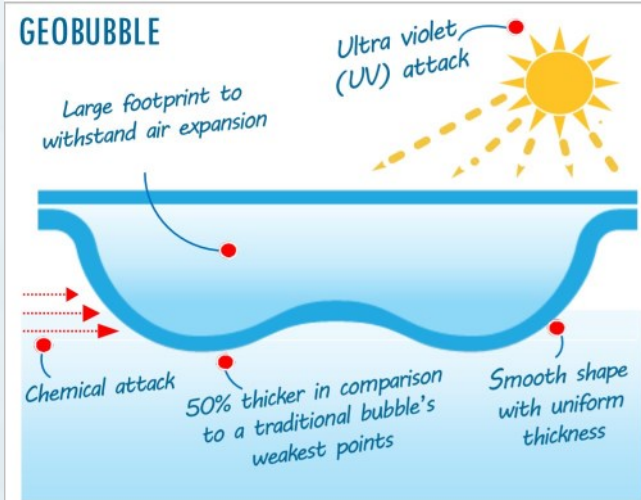
GeoBubble - raising the bar for thermal pool covers

Introduced in 2012, GeoBubble, is the material used for our thermal covers. A GeoBubble Sol+Guard cover performs significantly better in respect of heat retention while its chemical and energy efficiencies instantly lower a pool's carbon footprint.



By eliminating weak and thin points in the material, GeoBubble achieves a far stronger pool cover able to withstand chemical and UV attack which leads to premature failure. As such, GeoBubble covers are 25% more resilient than first generation thermal covers, with an extended lifespan. GeoBubble is also recyclable.

This new design brings overall superior performance to our thermal range and sets a new benchmark for heating pools naturally. For more info on GeoBubble, chat to our sales team or visit www.powerplastics.co.za.



Sol+Guard: how it works

