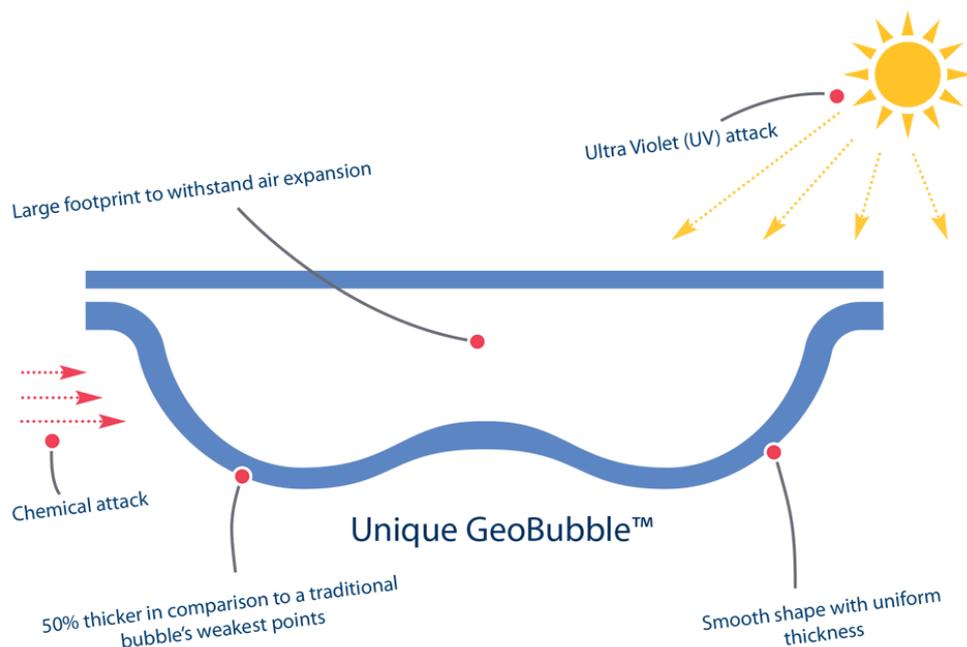


Introducing the GeoBubble

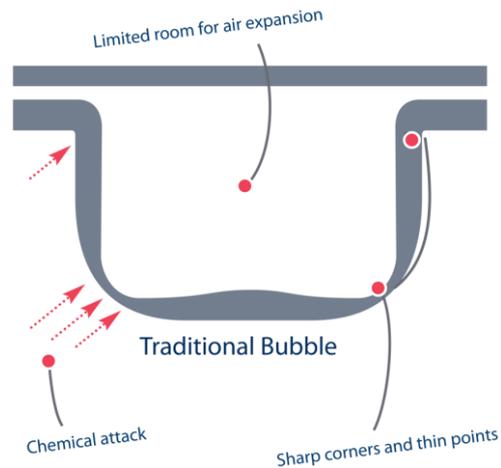
GeoBubble™ technology is an innovative, patented pool cover material using a bubble profile that has been scientifically designed to increase the expected lifespan of the swimming pool cover material by 25%+

What makes GeoBubble™ materials unique?

- Unique patented design of two bubbles joined together by a structural waistline centre section
- No sharp corners that could result in thin or weak points in the design
- No stress points due to the bubble's smooth interconnected curves
- 50% thicker than a traditional bubble material at its thinnest point
- Increased resilience against UV rays and chemical attack



Traditional bubble design:



Bubbles of the past

To understand the science of the GeoBubble™ and the reasons for its development, it helps to consider the traditional bubble material used for pool covers. The traditional swimming pool bubble cover was developed from the packaging industry's bubble-wrap material. The lightweight, floating material saw improvements in evaporation control as well as in heating when compared to an uncovered pool. This material however, was high-volume and low quality, with a short lifespan. This traditional round bubble shape had inherent weaknesses in its design, including thin points and high residual stress areas.

In a typical swimming pool environment, thin points on a bubble become a significant problem, as they are broken down by high levels of UV radiation and chemical attack. This results in the bubble material breaking down and will ultimately cause the premature failure of the pool cover.

GeoBubble™ is a material designed specifically for the swimming pool environment, making the cover more resistant to these attacks and enabling a longer lifespan.



The geometric bubble shape is formed with a more uniform thickness, minimising the residual stress within the polymer structure.



Evaporation Control

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98% resulting in the preservation of the water resources and increased temperatures within the swimming pool, saving water and preventing evaporative cooling.



Heat Retention

The unique profile of the GeoBubble™ technology air cells provide both buoyancy and an insulative air gap to control heat transfer enabling the material to manage the pool environment and keep the pool and the desired temperature.



Temperature Increase

GeoBubble™ covers help to increase pool temperature by allowing for solar gains, as well as retaining the gained heat by providing a barrier to evaporation and an insulative air gap.



Debris Control

Covering your pool prevents dirt, leaves, insects and other debris from entering the pool, maintaining a clean, pleasant swimming environment and reducing chemical demand.



Environmental impact

GeoBubble™ materials help you to be more environmentally friendly in your pool usage by helping you to save important and limited resources such as water, energy and chemicals. The materials last far longer than a traditional bubble material, meaning that these savings are even more significant.

The Guard product range extends these savings with their specific qualities and even longer lifespans, significantly reducing environmental and economic cost.

All GeoBubble™ materials are fully recyclable (LDPE4), and the manufacturer (Plastipack Ltd) is fully committed to environmentally responsible cradle to the grave design and production processes. Efforts are made to minimise wastage and ensure efficient practices, and 100% of any material that is wasted, is recycled.