Sol+Guard™

with GeoBubble™ technology

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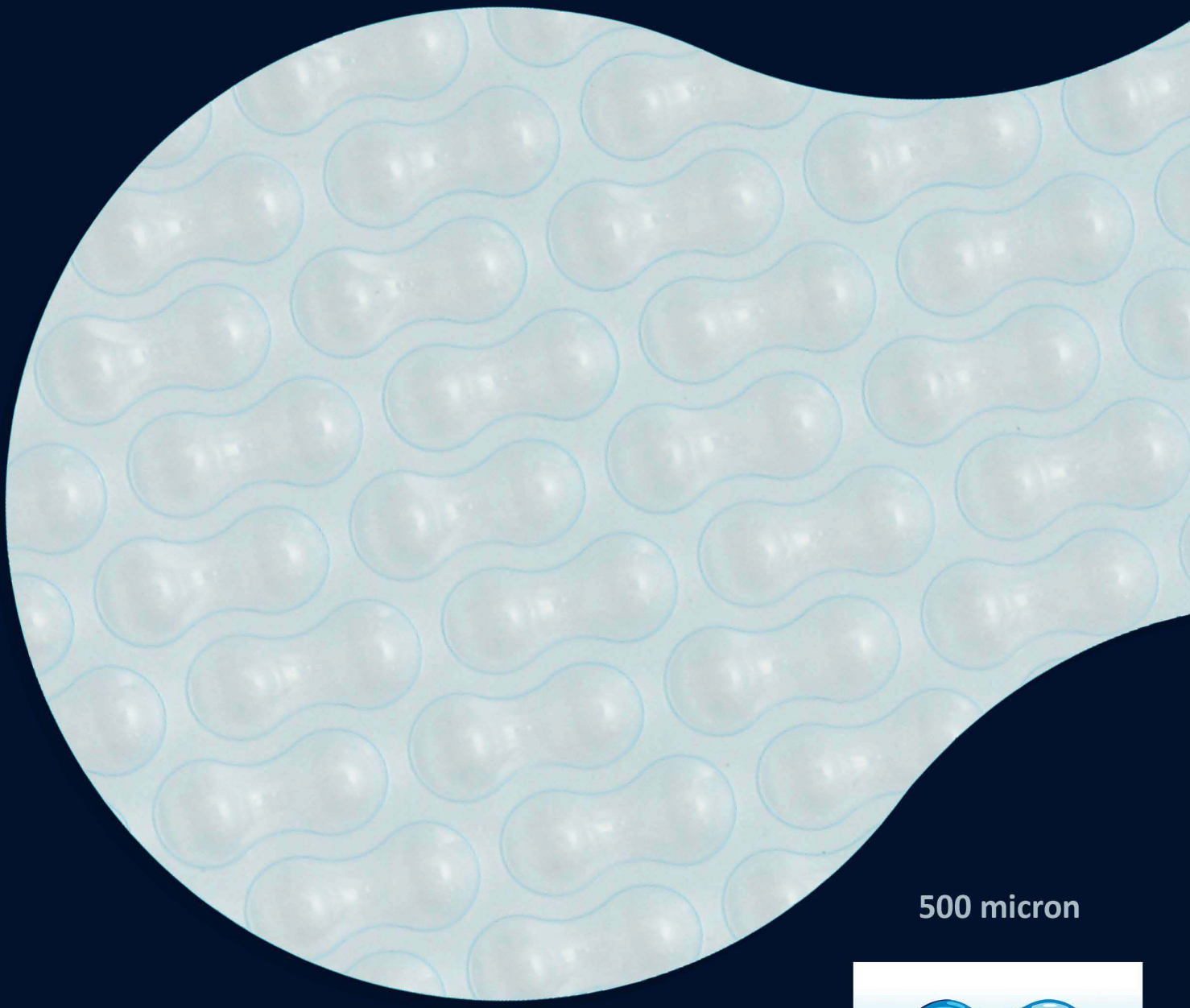

500 micron

A dazzling solution to maximise solar gains

GeoBubble™

www.geobubble.co.uk

Sol+Guard™

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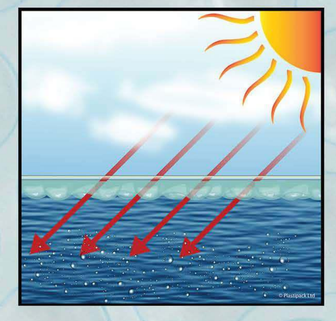
Keep your pool a comfortable temperature

GeoBubble™

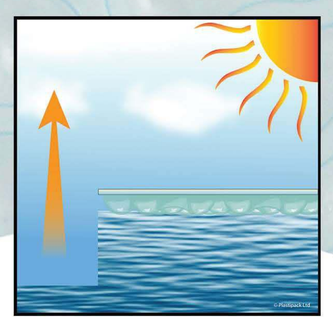
The unique GeoBubble™ design and additive package of the Guard product range have been scientifically developed to provide higher performance and longevity of the blended polyethylene cover material. Providing a sustainable 100% recyclable (LDPE 4) and cost saving product which comes with a 6-year pro rata manufactures warranty

- Increase pool temperature by up to 8°C
- Reduce energy consumption by over 70%
- Reduce chemical consumption by up to 40%
- Eliminate water evaporation by 98%+
- Reduce debris contamination
- Save money and reduce the carbon footprint of your pool
- 6 year + expected lifespan
- With GeoBubble™ Technology



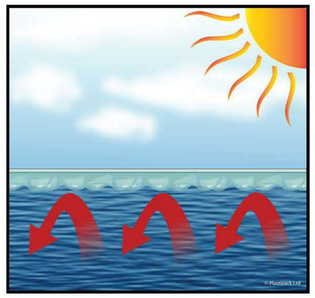
Solar Gains

The Sol+Guard™ 500 micron transparent swimming pool cover material transmits 80% of the sun's energy in the visual and IR spectrum through the material to heat the water and basin of the swimming pool. Tests in the UK have shown temperature increases of up to 6°C and testimonials from hotter climates estimate up to 8°C above the ambient pool temperature, reducing the heating demand by up to 70%.



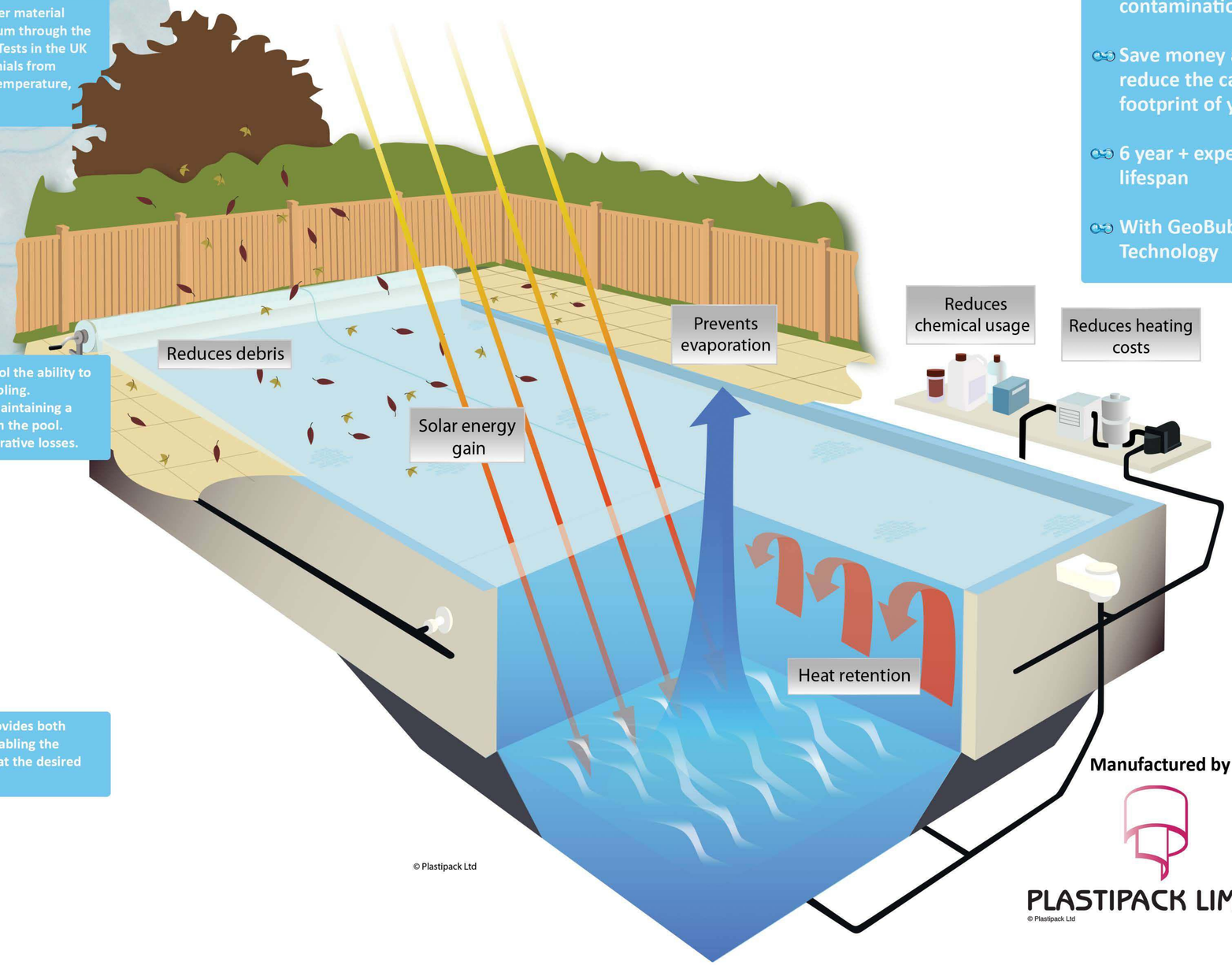
Prevents evaporation

The material provides a barrier to evaporation, giving the pool the ability to preserve water and reduce heat loss through evaporative cooling. Prevention of evaporative losses has the largest impact on maintaining a pool's temperature, responsible for 70% of the heat loss from the pool. Plastipack materials are tested to prevent over 98% of evaporative losses.



Insulates to prevent heat transfer

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



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Specification Sheet

Polythylene Film	Dual-Extruded
U.V. Protection	140 kLys/yrs 0.9% Additive 180 kLys/yrs 1.2% Additive
Colour	Translucent Sea Blue
Thermal Properties	Vicat Softening Point (1kg) 93°C
Cold Crack Temperature	-25°C
500 microns thickness	Bubble Film = 350 micron +/- 10% Back film = 150 micron +/- 10%
Weight per m²	460gms +/- 10%
Overall Bubble Width	2000mm / 2500mm +/- 1%
Welding Edges	30mm +/- 10%
Overall Width	2060mm / 2560mm +/- 10%
Roll Diameter	0.80m +/- 1%
Roll Length	102m +/- 2%
Est. Quantity for 120m³ truck	2.5m = 14,535m² = 57 rolls 2m = 15,912m² = 78 rolls
Est. Quantity Containers	20ft = 4,692m² = 23 rolls 40ft = 11,220m² = 55 rolls
Packaging	Packaged in Polyethylene bags
Core Diameters	Internal 76mm/External 80mm
Identification	Batch Identification by Q.A. slip and label showing Length/Grade
Warranty	6 year pro rata warranty
GEOBUBBLE™ TECHNOLOGY	
Bubble Width x Length	15x30mm
Bubble Height	5.5mm
No. of bubble per m²	1943

Company Information:
www.Plastipack.co.uk

Product information:
www.GeoBubble.co.uk

Water Storage:
www.VapourGuard.co.uk

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