



PLASTIPACK LIMITED

Manufacturers of Energy and Resource Saving Products

Specification Sheet

Polyethylene Film	Dual-Extruded
U.V. Protection	140 kLys/yr 0.9% Additive 180 kLys/yr 1.2% Additive
Colouring	1% Actual
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 m ²	460gms +/- 10%
Overall Bubbles Width	2000mm / 2500mm +/- 1%
Welding Edges	30mm +/- 10%
Overall Width	2060mm / 2560mm +/- 10%
Roll Diameter	0.80 m +/- 1%
Roll Length	102 m +/- 2%
Est.Quantity for 120m ³ truck	2.5m = 14,535 m ² = 57 rolls 2m = 15,912 m ² = 78 rolls
Est.Quantity Containers	20ft = 4,692 m ² = 23 rolls 40ft = 11,220 m ² = 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
GEOBUBBLE™ TECHNOLOGY	
Bubble Width x Length	15x30mm
Bubble Height	5.5mm
No. of bubble per m ²	1943

A new standard in performance Swimming pool cover material

Manufacture www.Plastipack.co.uk
 Product Information www.GeoBubble.co.uk
 Water Storage www.VapourGuard.com

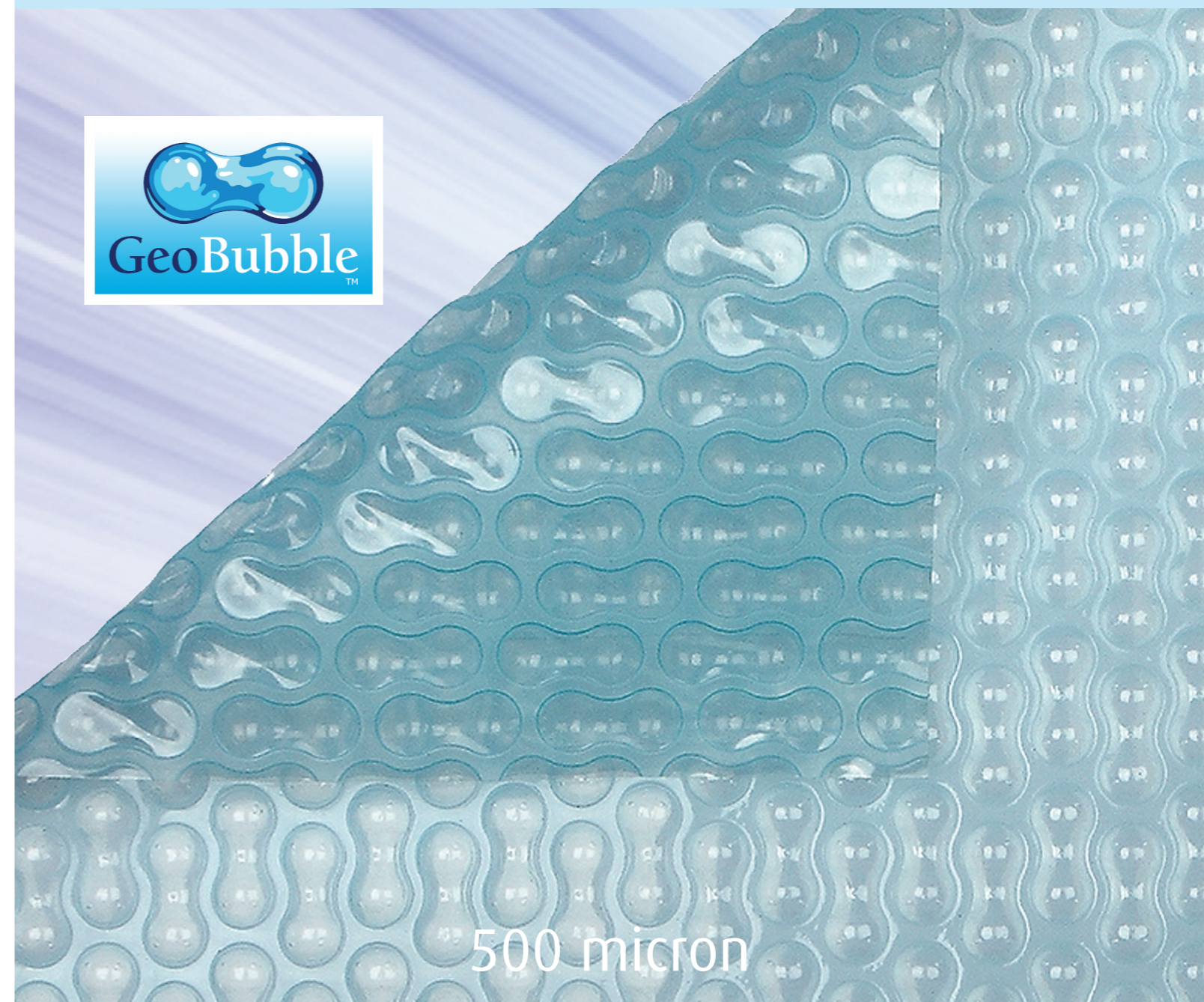
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Sol+Guard™

With GeoBubble™ technology

Cover material that maximises solar gain to heat your swimming pool



500 micron

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

Solar Gain

The Sol+Guard™ 500micron transparent swimming pool 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 increase 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%.

Evaporation Prevention

By working as a physical barrier to evaporation the Sol+Guard™ material both prevents the loss of a costly resource and prevents evaporative cooling of the water. Evaporation is responsible for 70% of the heat loss from a pool due to the evaporation processes high energy requirement. To heat one gram of water 1°C it requires 1 calorie of energy as the same gram changes phase and evaporates 540 calories are consumed resulting in heat loss in the swimming pool. By simply covering the pool with the Sol+Guard™ material evaporation is reduced by over 98% resulting in the preservation of the water resources and increased temperatures within the swimming pool.

Insulating Properties

The air cells in the Sol+Guard™ material allow the cover to stay buoyant and provide insulation. Radiation of heat into the atmosphere is responsible for 20% of the heat lost from a pool. The prevention of evaporation, the insulation and high transmission properties of the material help maintain a comfortable swimming environment while saving resources and costs of running a swimming pool.

Quality and Longevity

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

