



Swimming Pool
Domestic
Pool Cover Choices

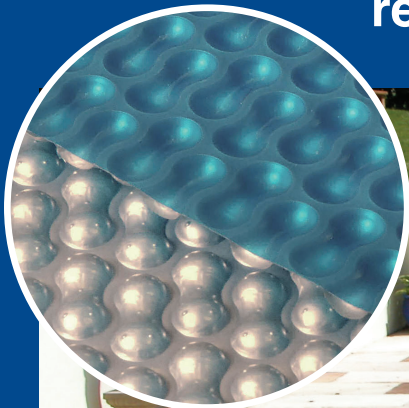
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NEYLAND - PEMBROKESHIRE - SA73 1RB
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 *Plastica*



Apollo 400 Geobubble™ Cover

The single most effective means of
reducing energy consumption



- **Heat retention and solar gain**

Heat is retained by the silver underside reflecting captive heat back into the pool. Apollo also allows a certain amount of sunlight into the pool water ensuring solar gain. These features lower heating costs when compared with a standard bubble cover.

- **Reduces chemical demand**

Limiting the amount of light passing through the water will inhibit the growth of algae, therefore reducing the demand for pool water sanitisers.

- **Reduce heating costs**

The vast majority of heat loss from swimming pool water is through evaporation. With an Apollo 400 Geobubble™ cover in place, evaporation will be dramatically reduced.

- **GeoBubble™ technology**

The unique bubble shape has been proven to withstand both chemical and UV attack. A smooth shape and uniform thickness results in an increased expected lifespan of 25% in comparison with conventional bubble covers.

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Apollo 400 Geobubble™



- **Save Money**

The improved Apollo 400 cover with GeoBubble™ technology will save you money by reducing heat loss through evaporation and conserving energy.

- **Reduce Debris Contamination**

Debris such as leaves, dirt, insects and bird droppings are not only unsightly in a pool but also provide nutrients for algae and bacteria to feed on. When the pool is covered these contaminants will be kept out of the water, greatly improving the quality and appearance of the water.

- **Warranty**

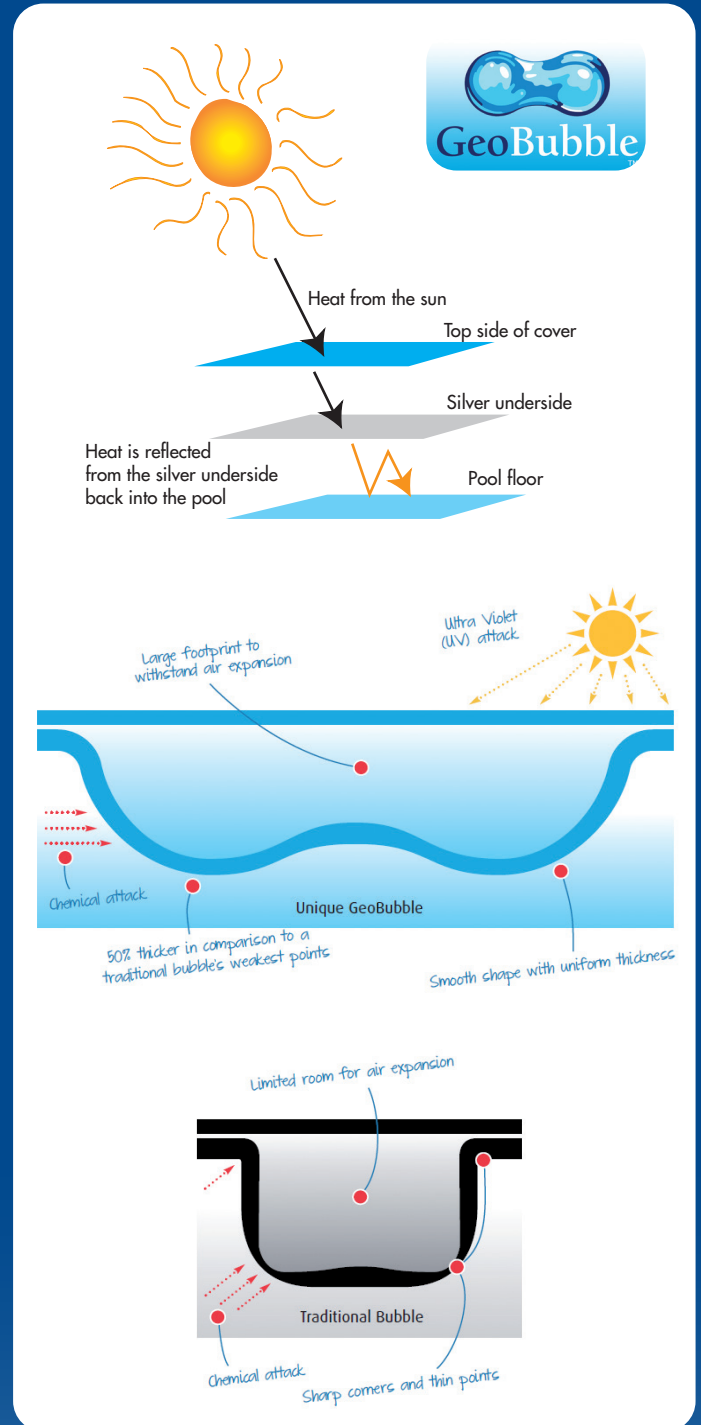
The Apollo 400 GeoBubble™ cover has a 4 year pro-rata warranty (UK & Eire only).

- **Environmental Benefits**

By reducing the amount of energy needed to heat and filter your pool water, an Apollo 400 GeoBubble™ cover will greatly reduce your CO2 footprint. It also conserves water and, at the end of its life, an Apollo 400 GeoBubble™ cover is 100% recyclable.

- **Optional Extras**

Hemming, Cut-outs, Shaping, Strap Sets, Leading Edges and Reel Systems.



GeoBubble™ is a trademark of Plastipack Limited

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Midas 500

GeoBubble™ Cover



The most effective way of conserving pool water heat



- **Heat retention**

Heat is retained by the gold underside helping to maintain a higher pool temperature. The Midas 500 has been formulated for the ultimate in pool heat retention.

- **Reduce heating costs**

The vast majority of heat lost from swimming pool water is through evaporation. With a Midas 500 cover in place evaporation will be dramatically reduced.

- **Unique style**

The gold underside gives the cover an aqua blue look that is unique and exceptionally attractive.

- **GeoBubble™ technology**

The unique bubble shape has been proven to withstand both chemical and UV attack. A smooth shape and uniform thickness results in an increased expected lifespan of 25% in comparison with conventional bubble covers.

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Midas 500 Geobubble™



- **Save Money**

The improved Midas 500 cover with GeoBubble™ technology will save you money by reducing heat loss through evaporation and conserving energy.

- **Reduce Debris Contamination**

Debris such as leaves, dirt, insects and bird droppings are not only unsightly in a pool but also provide nutrients for algae and bacteria to feed on. When the pool is covered these contaminants will be kept out of the water, greatly improving the quality and appearance of the water.

- **Warranty**

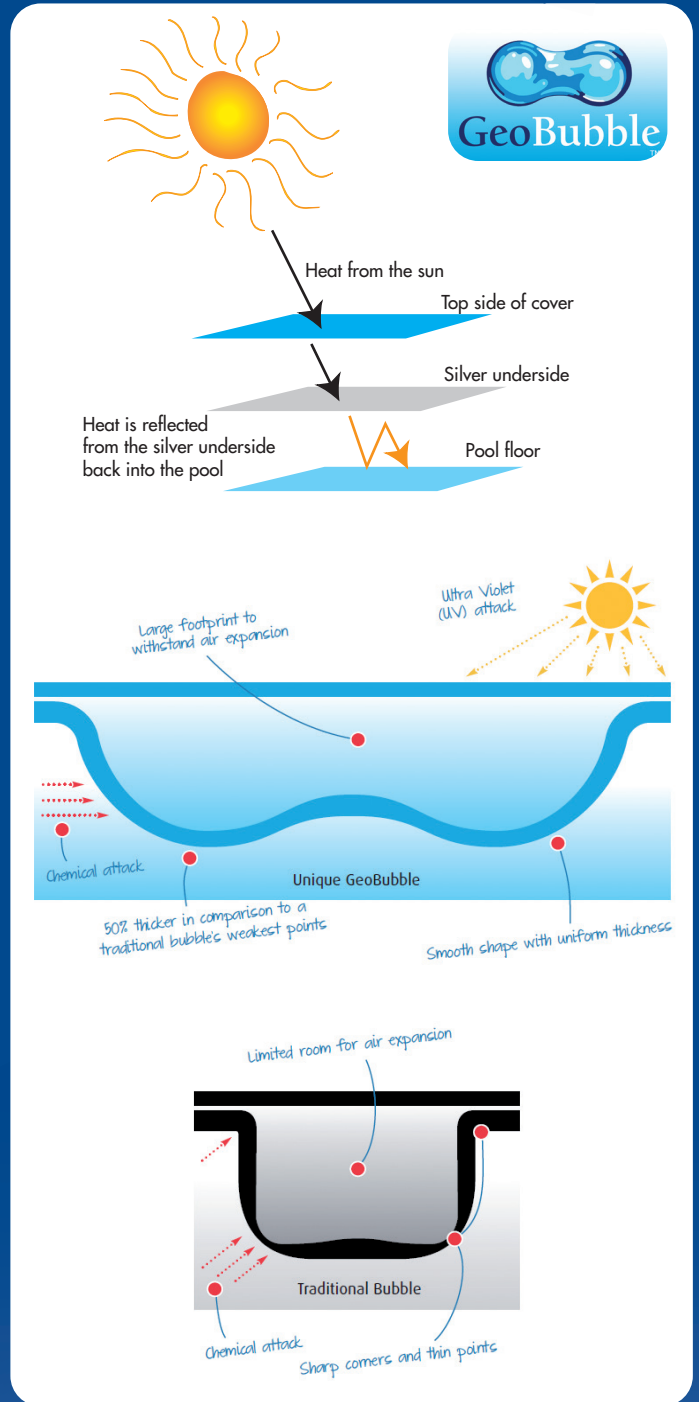
The Midas 500 GeoBubble™ cover has a 4 year pro-rata warranty (UK & Eire only)

- **Environmental Benefits**

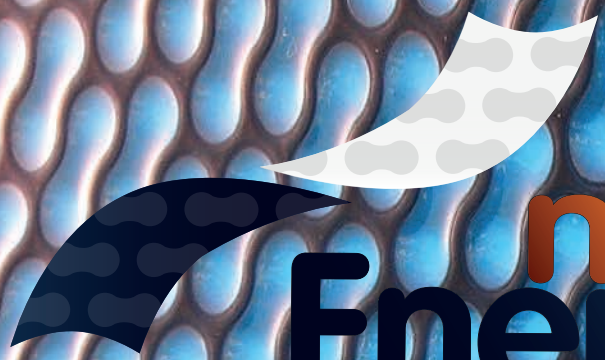
By reducing the amount of energy needed to heat and filter your pool water, a Midas 500 GeoBubble™ cover will greatly reduce your CO2 footprint. It also conserves water and, at the end of its life, a Midas 500 GeoBubble cover is 100% recyclable.

- **Optional Extras**

Hemming, Cut-outs, Shaping, Strap Sets, Leading Edges and Reel Systems

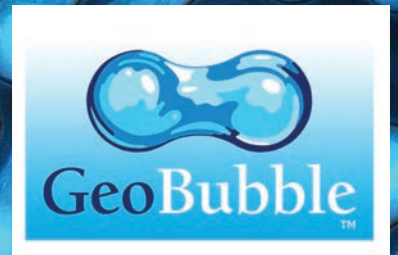


GeoBubble™ is a trademark of Plastipack Limited



new
EnergyGuardTM
© Plastipack Ltd
Selective Transmission

**Increased solar gains
with algae inhibition**



45 YEARS **P** *Plastica*

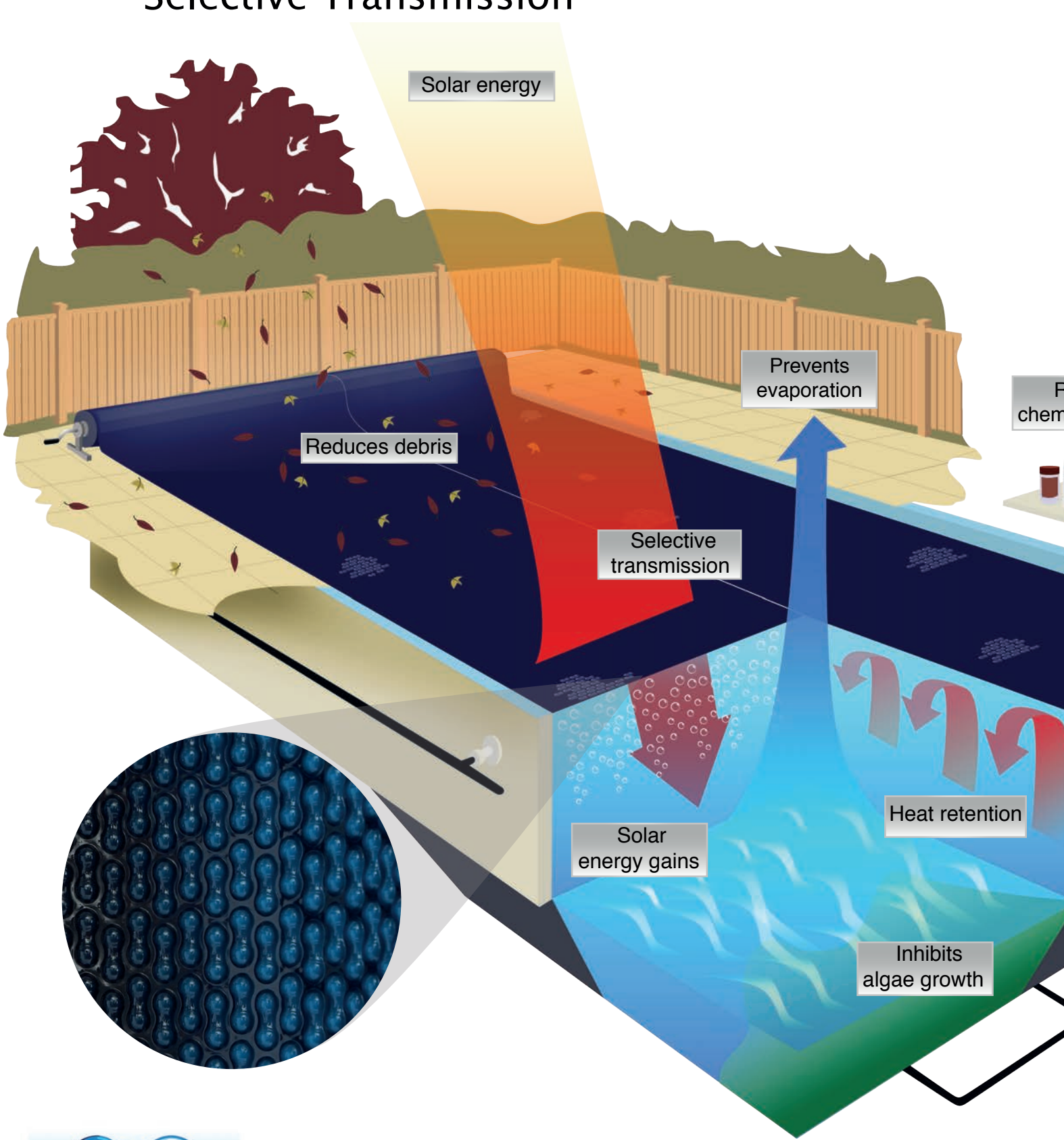
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new EnergyGuard™

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Selective Transmission

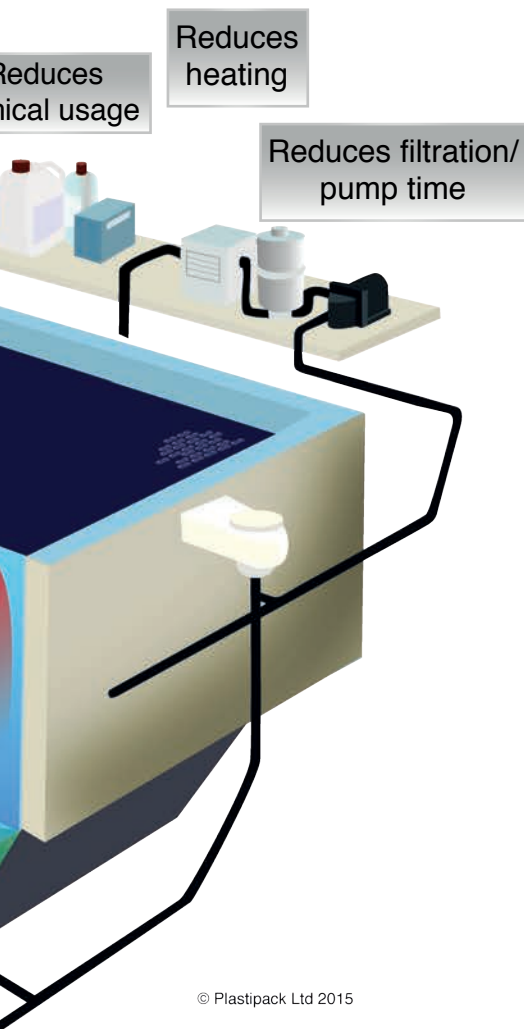


EnergyGuard™ specific benefits:

- 🔗 **Increases water temperature by up to 7°C**
- 🔗 **Algae growth is inhibited**
- 🔗 **Reduces filtration times by up to 50%**
- 🔗 **Reduces chemical consumption by up to 60%**
- 🔗 **Reduces energy consumption by up to 60%**
- 🔗 **Can be used as a winter cover**

General cover benefits:

- 🔗 **Available with GeoBubble™ technology**
- 🔗 **Eliminates water evaporation by 98% +**
- 🔗 **Reduces debris contamination**
- 🔗 **Saves money and shrinks your carbon footprint**
- 🔗 **6 year pro rata manufacturer's warranty**



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EnergyGuard™ selective transmission

Maximising pool temperature and inhibiting algae growth at the same time is now possible with this innovative light filtering material, meaning there is no need to compromise between temperature performance and chemical savings.

Offering optimized solar gain and algae inhibition, the patent applied for EnergyGuard™ material now effectively delivers the best possible balance between solar heat gain, chemical and filtration reductions, making it the most innovative solar cover to date.

Selective transmission

The midnight blue bubble layer of the material is designed to absorb UV and visible light vital to photosynthesis, while allowing transmission of infrared wavelengths through the material to directly heat the body of water.

Increased solar gain

The material original selective transmission properties increase the pool temperatures in an efficient and sustainable manner. Tests in the UK have shown temperature increase of up to 5°C and this figure is believed to reach up to 7°C in hotter climates.

Chemical and filtration savings

The material's opacity in the visible wavelengths inhibits algae growth. Furthermore, the cover's ability to block UV light reduces chlorine deactivation due to photolysis. This results in chemical savings and reduced filtration requirements.

Evaporation prevention

By working as a physical barrier to evaporation the new EnergyGuard™ selective transmission material both preserves water resources and prevents evaporative cooling of the water.

Insulating properties

The air cells in the new EnergyGuard™ material provide buoyancy and insulation. The cover absorbs heat radiated by the water into the atmosphere.

Quality and longevity

The new EnergyGuard™ material uses the improved GeoBubble™ shape scientifically designed to prevent the premature degradation around bubble corners. Combined with the best additive package, the longevity is increased by 25%, resulting in a sustainable, 100% recyclable, energy-saving and cost-efficient product with a 6 year pro rata manufacturer's warranty.



Specification

Polyethylene blend	Dual-Extruded	
UV stabilization	180Klys/yr 140Klys/yr	
Pigment	Midnight Blue	
Expected lifespan	6 year expected lifespan and pro rata warranty	
500µm Thickness ± 10%	Back film: 150µm Bubble film: 350µm	
Roll dimensions	Diameter: 800mm	Length: 102m
Core diameter Ø	Internal: 76mm	External: 80mm
Stocked weld/salvage edge	Left: 30mm	Right: 30mm
Material dimensions	Bubble width	Overall width
2meter	2000mm	2060mm
2.5meter	2500mm	2560mm
Weight per m ² ± 10%	460g	
Bubble dimensions	GeoBubble™	15 x 30 x 5.5mm
Number of bubbles	1943 per m ²	
Thermal values	R: 0.06 m ² .K.W ⁻¹ K: 0.08 W.K ⁻¹ .m ⁻¹	U: 16.67 W.m ⁻² .K ⁻¹ <small>400µm material tested (ISO8302:1991 BS EN12667:2001)</small>
Vicat softening point	93°C	
Cold crack	<-25°C	
Packaging:	White polyethylene bag	
Product identification:	Internal: Quality assurance slip	
Estimated shipping quantities		
120m ³ truck	2m: 15,912m ² = 78 rolls	2.5m: 14,535m ² = 57 rolls
Container shipment	20ft: 4,692m ² = 23 rolls	40ft: 11,220m ² = 55 rolls

The latest innovation in
swimming pool cover material



**The UK's Leading Independent Swimming Pool
Manufacturer and Distributor**

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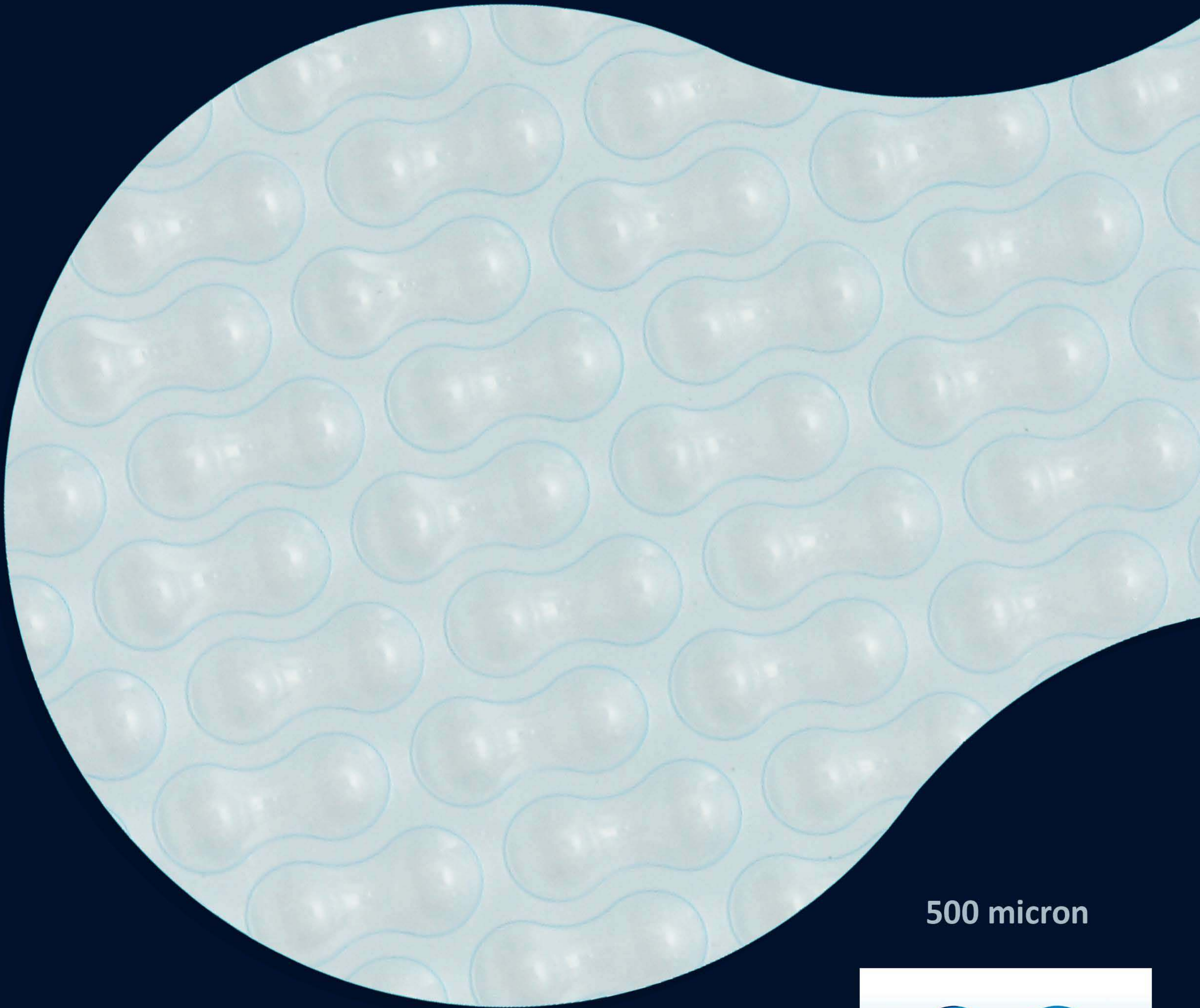
Your local supplier:



Sol+GuardTM

©Plastipack Ltd

with GeoBubbleTM
technology



500 micron

**A dazzling solution to
maximise solar gains**



www.geobubble.co.uk

Sol+Guard™

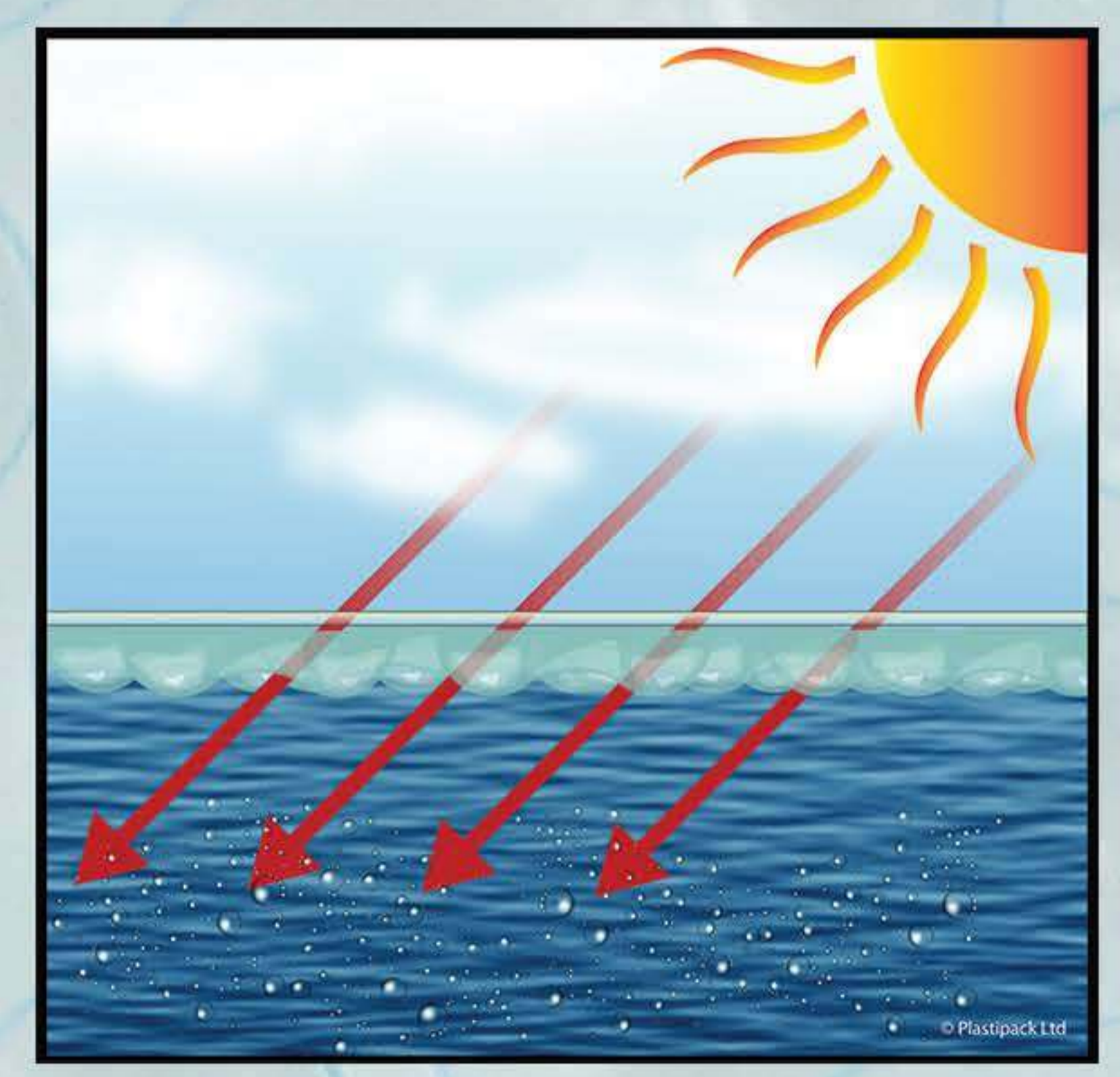
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Keep your pool a comfortable temperature

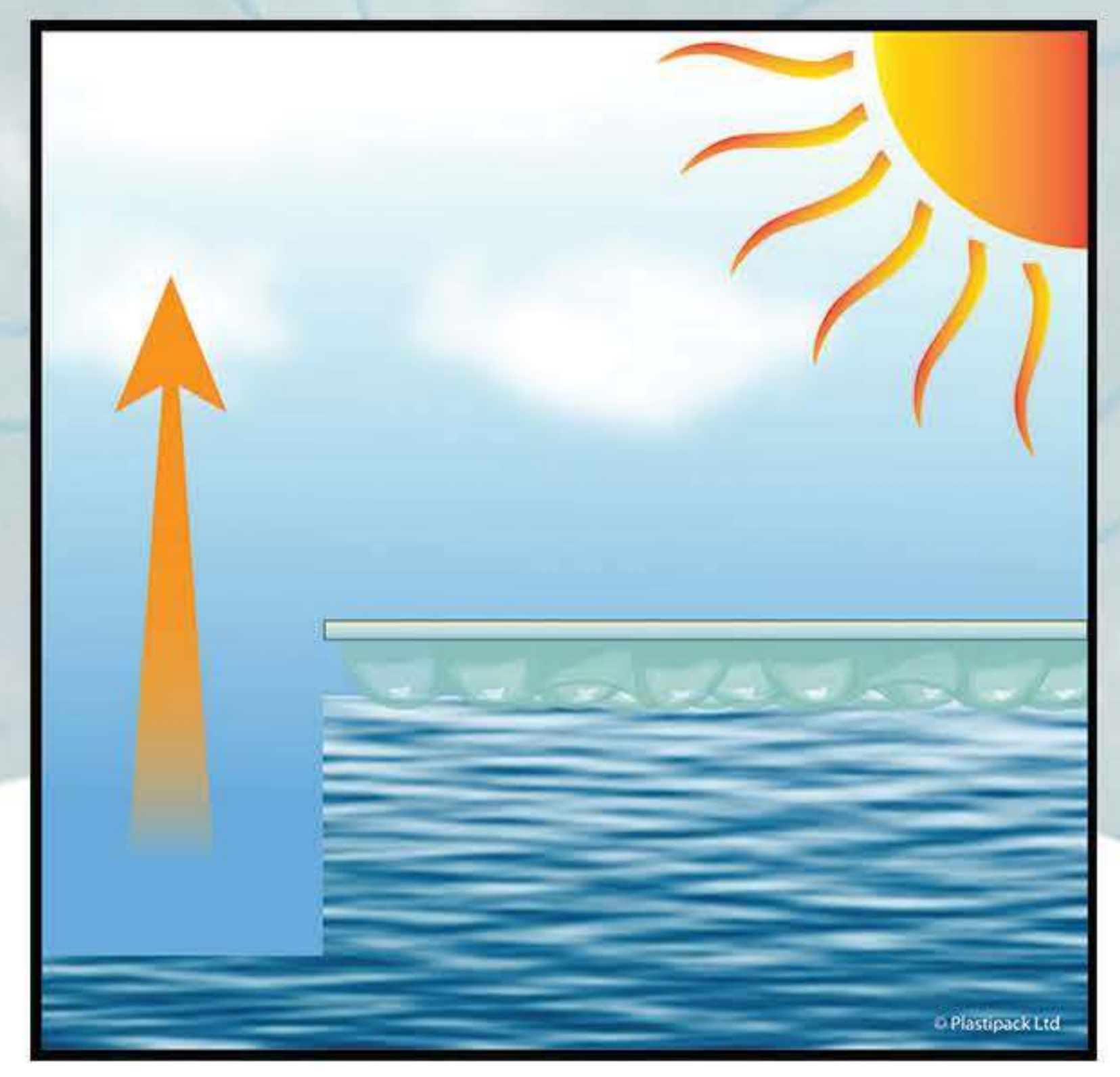
The unique GeoBubble™ design and additive package of the Guard product range have been scientifically developed to provide higher performance and longevity of the blended polyethylene cover material. Providing a sustainable 100% recyclable (LDPE 4) and cost saving product which comes with a 6-year pro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



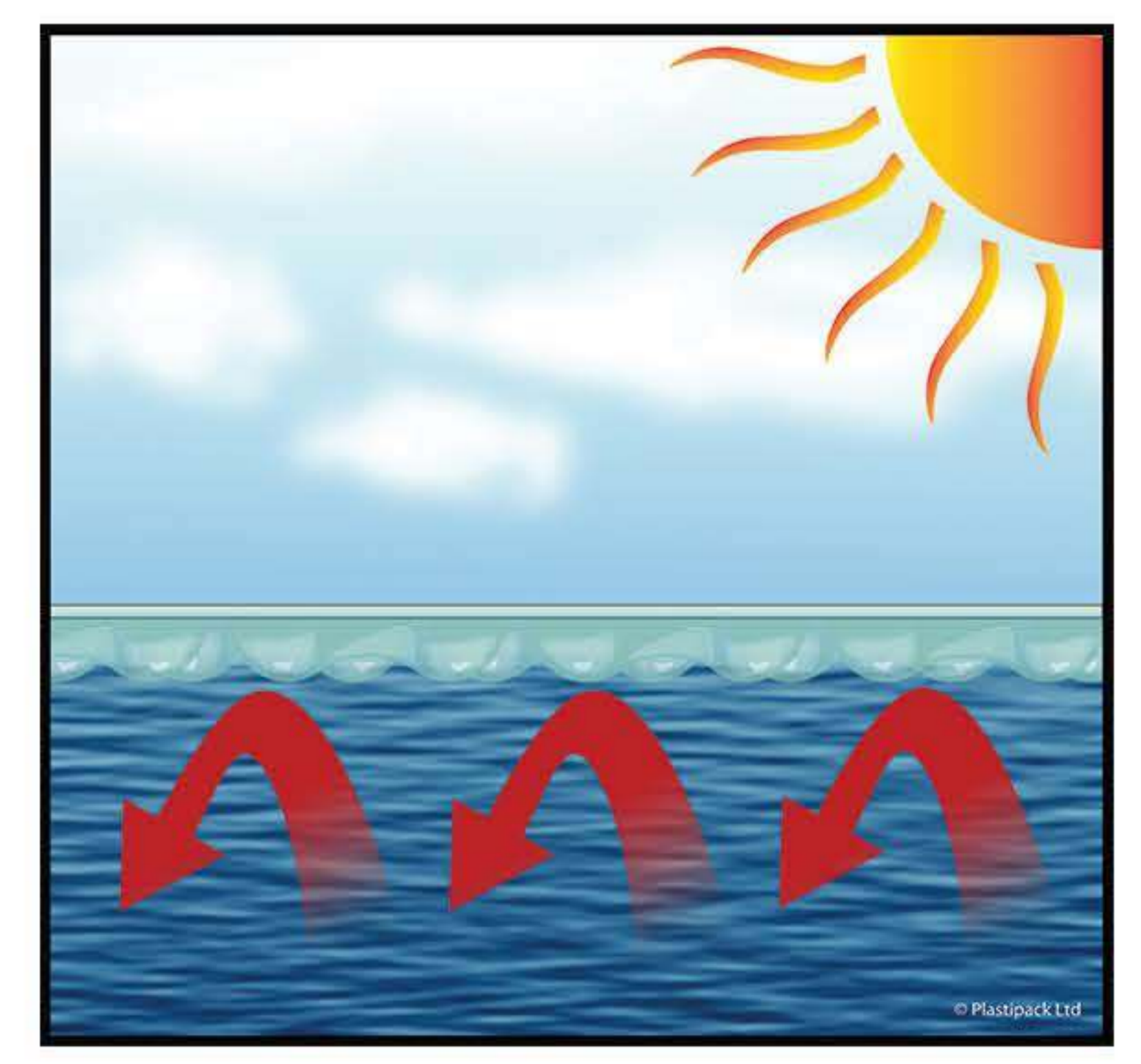
Solar Gains

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%.



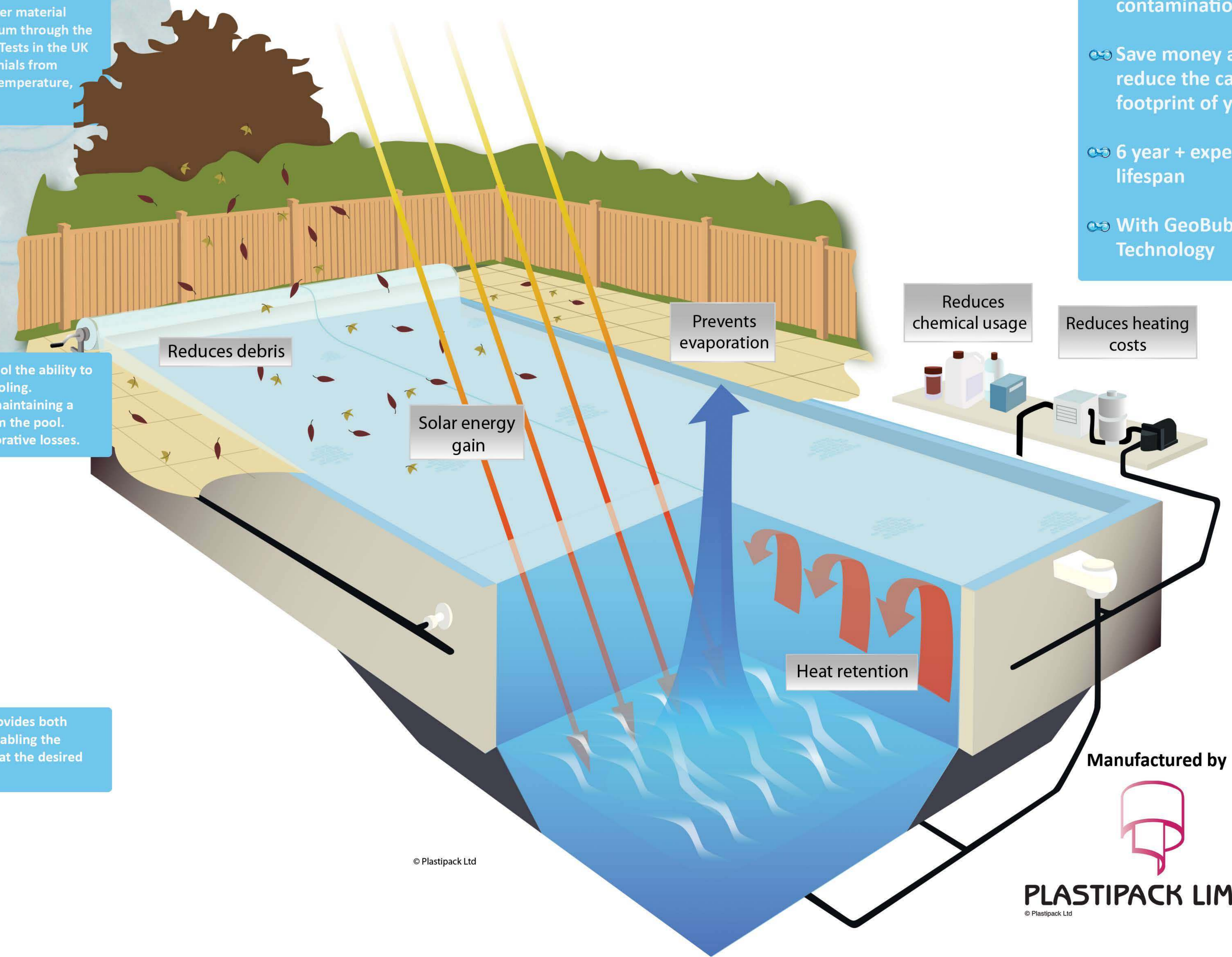
Prevents evaporation

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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Manufactured by

PLASTIPACK LIMITED™
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PLASTIPACK LIMITEDTM

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Specification Sheet

Polythylene Film	Dual-Extruded
U.V. Protection	140 kLys/yr 0.9% Additive 180 kLys/yr 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 = 14,535m ² = 57 rolls 2m = 15,912m ² = 78 rolls
Est. Quantity Containers	20ft = 4,692m ² = 23 rolls 40ft = 11,220m 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
Warranty	6 year pro rata warranty
GEOBUBBLETM 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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Reflect. Insulate. Eliminate.

**A High Performance
Heat Retention Pool Cover**

500 Micron



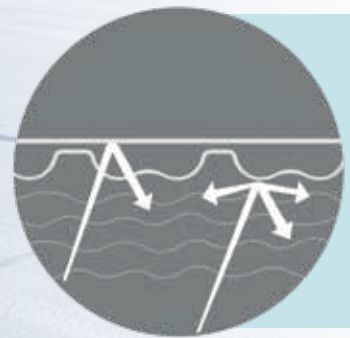
www.geobubble.co.uk

RaeGuard™

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Key Benefits:

- Retain heat and maintain pool temperature.
- Reduce heating cost by up to 57%.
- Pay back the cost of a cover within 1 year.
- Works on both indoor and outdoor pools.
- Eliminate evaporation by 98%.
- Reduce debris contamination.
- Save money and reduce the environmental impact of your pool.
- 6+ years expected lifespan.
- With GeoBubble™ Technology.
- Available with reinforcing weave



A High Performance Heat Retention Pool Cover

RaeGuard™ is the latest addition to the high-performance Guard product range, designed specifically to maximise heat retention through its tailored reflective properties. Identifiable immediately from its silver top layer and white bubble, RaeGuard™'s unique properties work to actively reduce heat losses from a pool's surface by up to 57%.

RaeGuard™ offers up to 90% of the insulating performance of a traditional 5mm foam, but with a significant reduction in the material cost.

Featuring the unique GeoBubble™ Technology air cell design and enhanced UV stabilisation, RaeGuard™ comes with a 6-year manufacturer's warranty and a 6-year plus expected lifespan. Offering typical payback times of less than a year, RaeGuard™ materials have the potential to save money, energy and resources.

REFLECT

The specially selected pigments of RaeGuard™'s silver & white layers are designed to reflect and scatter radiative heat, and maximise reflection in the targeted mid-infrared region.

INSULATE

The unique GeoBubble™ air cell provides a substantial barrier layer which works to prevent the transfer of thermal energy away from the surface of a pool.

ELIMINATE

When a pool is covered, instead of using energy to turn into water vapour, your pool water retains its thermal energy and stays warmer.

"Our new cover has been a massive improvement... the pool is holding its temperature much better than before, and there is no noticeable heat loss overnight."

**Ross, Estate Manager
- Dulwich Prep Cranbrook**

Specification Sheet

Polyethylene Film	Dual-Extruded
UV Protection	140 kLys/yr 0.9% Additive
Colour	Reflective Silver & Titanium White
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 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 120m ³ truck	2.5m = 14,535m ² = 57 rolls 2m = 15,912m ² = 78 rolls
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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 years pro rata
GEOBUBBLE™ TECHNOLOGY	
Bubble Width x Length	15x30mm
Bubble Height	5.5mm
No. of bubble per m ²	1943

RaeGuard 140 Geobubble

DISCOUNT CODE/ PRODUCT CODE	DESCRIPTION
J RAEG140	Raeguard 140 Geobubble Cover per sqm
J RAES140	Raeguard 140 Reinforced Weave Geobubble per Sqm

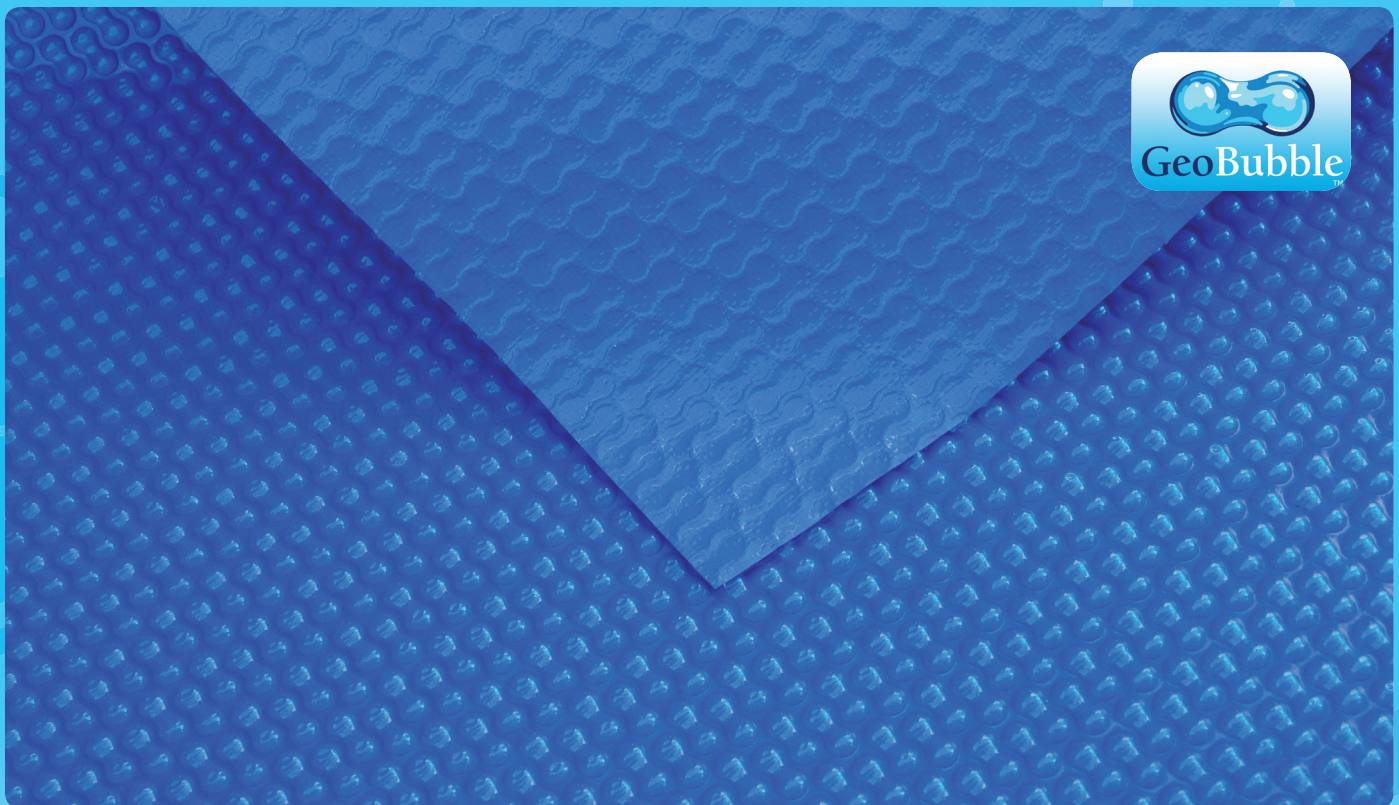
For more information and current prices contact Customer Services on 01424 857802.



The UK's Leading Independent Swimming Pool Manufacturer and Distributor

Polyweave Cover

The tear resistant reinforced pool cover



- **Heat retention**
The vast majority of heat loss from swimming pool water is through evaporation. This will be dramatically reduced when using a Polyweave cover.
- **UV Stabilised**
Specially formulated to protect against breaking down due to harshness of the sun's rays.
- **Reinforced 400 micron material**
This is co-extruded into a tear resistant polythene UV stabilised top sheet.
- **GeoBubble Technology**
The unique shape has been proven to withstand both chemical and UV attack. A smooth shape and uniform thickness results in an increased expected lifespan of 25% compared with conventional covers.

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Polyweave Cover

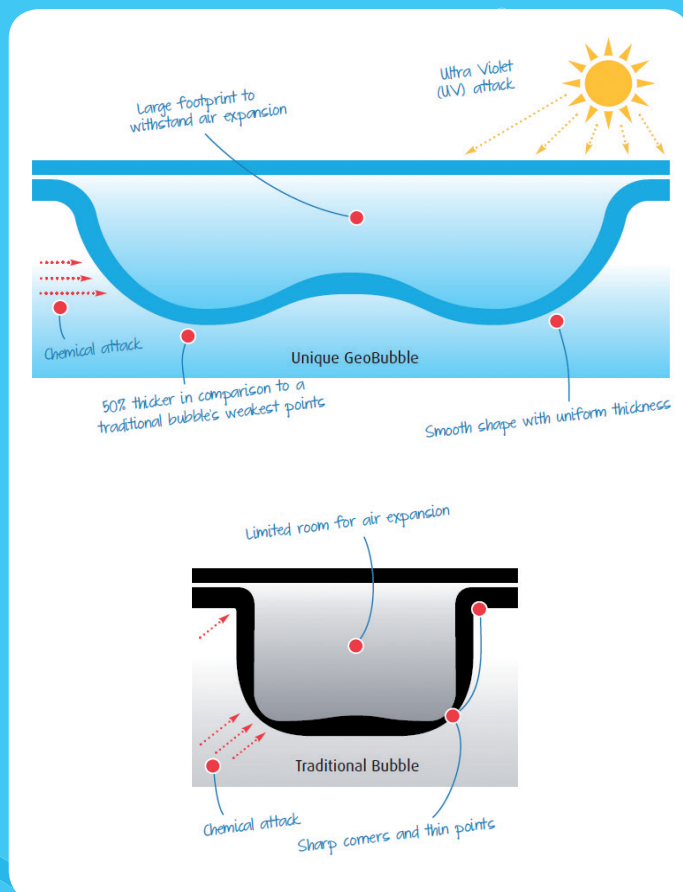
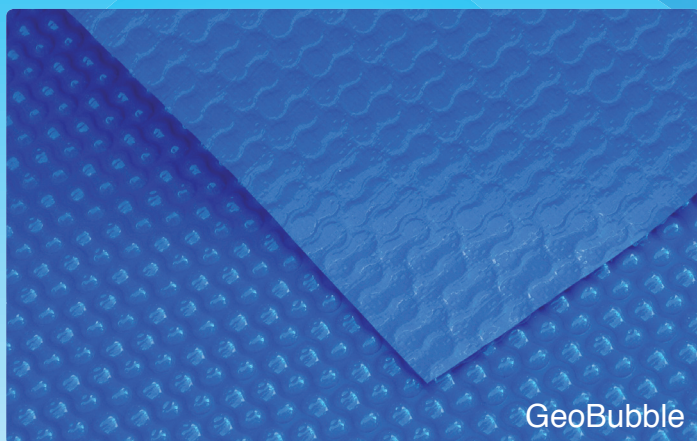
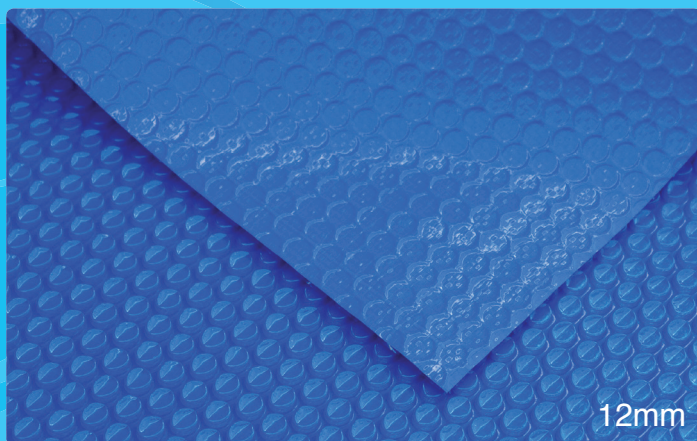
Plastica's Polyweave heat retention cover is available as conventional 12mm bubble or with GeoBubble technology.

The material can be supplied hemmed or as a rectangle to be trimmed on-site.

Cover supplied with a 3 year pro-rata warranty.

Helps to reduce chemical demand as algae cannot thrive without UV rays.

Suitable for indoor or outdoor use, on domestic and light commercial pools.



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