CoolGuard™ ultra

© Plastipack Ltd

with GeoBubble™ technology

500 micron

A refreshing solution to temperature management

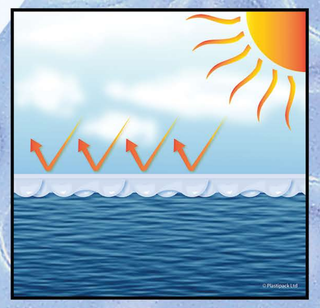
GeoBubble™

www.geobubble.co.uk

CoolGuard™ ultra

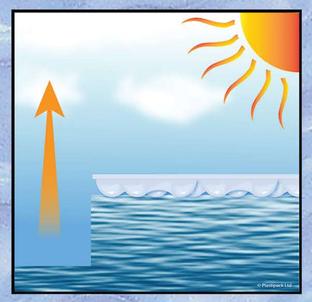
© Plastipack Ltd

Keep your pool a refreshing temperature



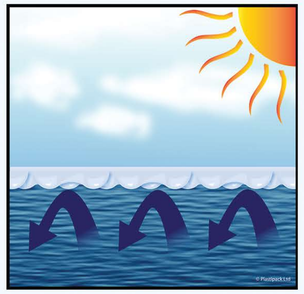
Reflects heat

CoolGuard™ Ultra's increased reflectivity provides a dramatic improvement to the regulation of the pool's temperature. Its Glacial Blue colour brings a 25% improvement in reflectivity across the visible and IR spectrum, providing a barrier to reduce solar gains, ensuring a refreshing swimming temperature.



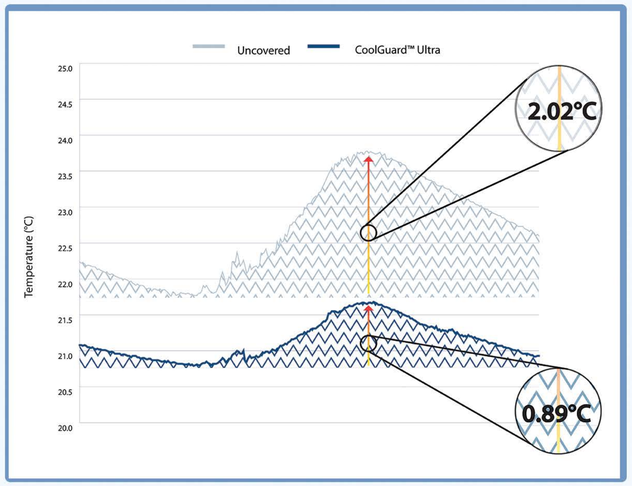
Prevents evaporation

CoolGuard™ Ultra's reflective properties provide a cooler, more refreshing swimming environment while conserving water resources and mitigating the energy demands on resource consumptive cooling units. The material provides a barrier to evaporation, giving the pool the ability to preserve water and reduce heat loss through evaporative cooling. Evaporative losses have the largest impact in maintaining a pool's temperature, responsible for 70% of the overall heat loss from a uncovered pool. Plastipack materials are tested to prevent over 98% of evaporative losses.



Insulates to prevent heat transfer

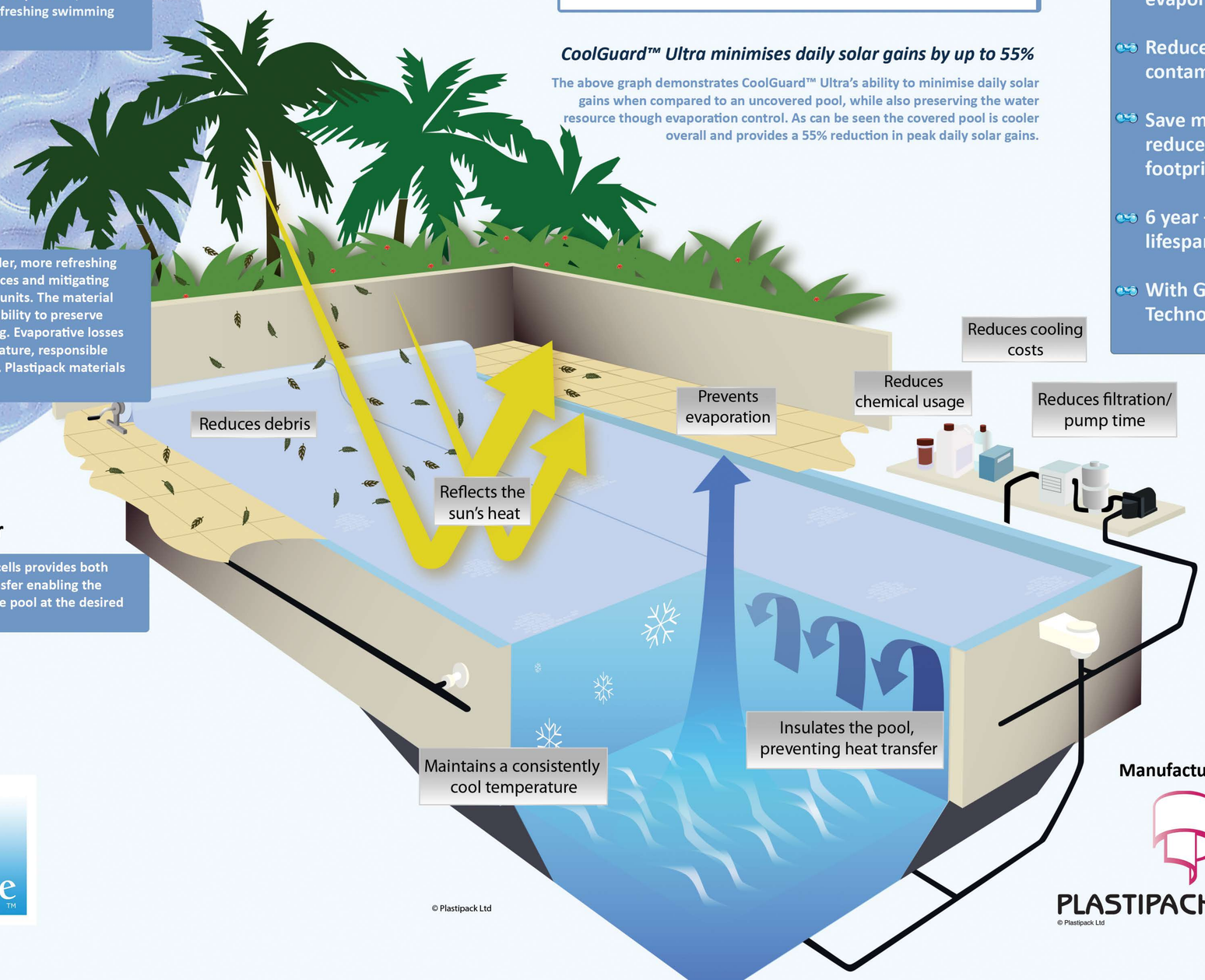
The unique profile of the GeoBubble™ technology air cells provides both buoyancy and an insulative air gap to control heat transfer enabling the material to manage the pool environment and keep the pool at the desired temperature.



CoolGuard™ Ultra minimises daily solar gains by up to 55%

The above graph demonstrates CoolGuard™ Ultra's ability to minimise daily solar gains when compared to an uncovered pool, while also preserving the water resource though evaporation control. As can be seen the covered pool is cooler overall and provides a 55% reduction in peak daily solar gains.

- Minimise daily solar gains by 55%
- Maintain a 10% cooler pool
- Reduce energy consumption by over 50%
- Reduce chemical consumption by up to 50%
- 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



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

GeoBubble™

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Manufactured by

PLASTIPACK LIMITED™

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Specification Sheet

Polythylene Film	Dual-Extruded
U.V. Protection	180 kLys/yrs 1.2% Additive
Colour	Reflective Glacial Blue
Thermal Properties	Vicat Softening Point (1kg) 93°C
Cold Crack Temperature	-25°C
500 microns thickness	Bubble Film = 300 micron +/- 10% Back film = 200 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 years pro rata
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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