



# RaeGuard™

©Plastipack Ltd

**Reflect. Insulate. Eliminate.**

**A High Performance  
Heat Retention Pool Cover**

500 Micron



[www.geobubble.co.uk](http://www.geobubble.co.uk)

# RaeGuard™

©Plastipack Ltd

## A High Performance Heat Retention Pool Cover

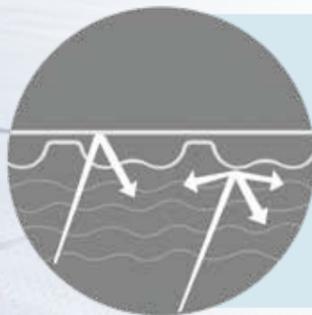
RaeGuard™ is the latest addition to the high-performance Guard product range, designed specifically to maximise heat retention through its tailored reflective properties. Identifiable immediately from its silver top layer and white bubble, RaeGuard™'s unique properties work to actively reduce heat losses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

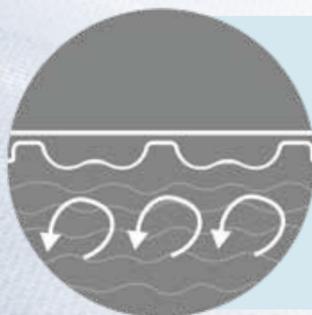
### Key Benefits:

- 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



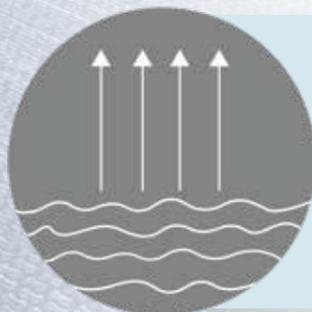
### REFLECT

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 180 kLys/yr 1.2% 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 <sup>2</sup>	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 <sup>3</sup> truck	2.5m = 14,535m <sup>2</sup> = 57 rolls 2m = 15,912m <sup>2</sup> = 78 rolls
Est. Quantity Containers	20ft = 4,692m <sup>2</sup> = 23 rolls 40ft = 11,220m <sup>2</sup> = 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
<b>GEOBUBBLE™ TECHNOLOGY</b>	
Bubble Width x Length	15x30mm
Bubble Height	5.5mm
No. of bubble per m <sup>2</sup>	1943

Company information:  
[www.plastipack.co.uk](http://www.plastipack.co.uk)

Product information:  
[www.geobubble.co.uk](http://www.geobubble.co.uk)

Water storage:  
[www.vapourguard.co.uk](http://www.vapourguard.co.uk)

Wainwright House, 4 Wainwright Close, Churchfields Industrial Estate,  
St Leonards-on-Sea, TN38 9PP UK

t: +44 (0) 1424 851659 f: +44 (0) 1424 853909 e: [info@plastipack.co.uk](mailto:info@plastipack.co.uk)

