



RaeGuard™

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Reflect. Insulate. Eliminate.

**A High Performance
Heat Retention Pool Cover**

500 Micron



www.geobubble.co.uk

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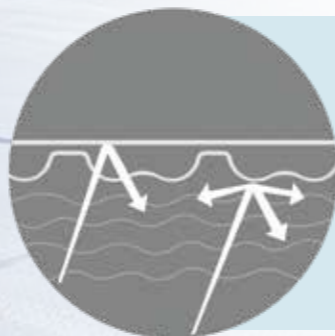
RaeGuard™ is the latest addition to the high-performance Guard product range, designed specifically to maximise heat retention through its tailored reflective properties. Identifiable immediately from its silver top layer and white bubble, RaeGuard™'s unique properties work to actively reduce heat losses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



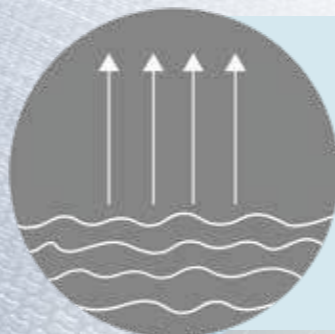
REFLECT

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 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
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 years pro rata
GEOBUBBLE™ TECHNOLOGY	
Bubble Width x Length	15x30mm
Bubble Height	5.5mm
No. of bubble per m ²	1943

Company information:
www.plastipack.co.uk

Product information:
www.geobubble.co.uk

Water storage:
www.vapourguard.co.uk

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