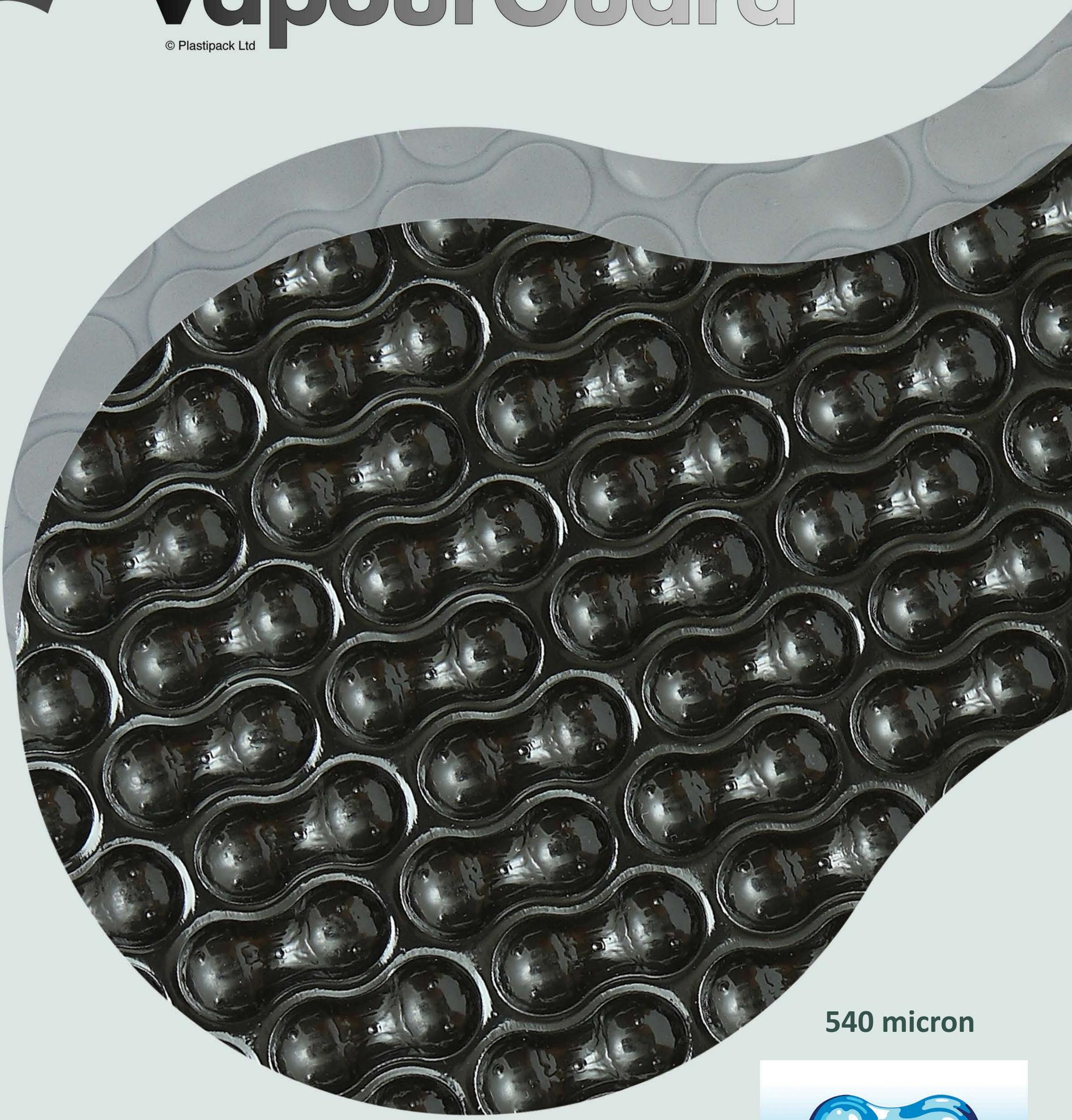




# VapourGuard<sup>TM</sup>

© Plastipack Ltd

with GeoBubble<sup>TM</sup>  
technology



540 micron

An innovative solution for  
water management



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



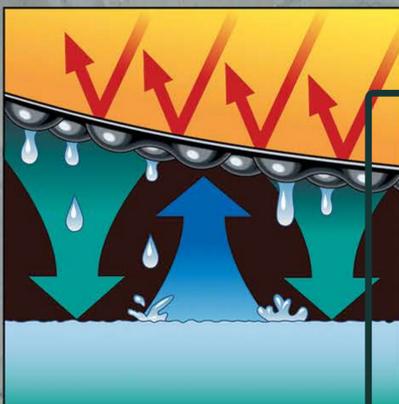
# VapourGuard<sup>TM</sup>

© Plastipack Ltd

## Protect and conserve stored water

Water management is a growing concern for industry, agribusiness and domestic applications internationally, with a growing number of regions placing stress on their water supplies. With scarce resources, costly extraction and transportation costs, the need to secure and maintain a managed water storage system is both an economic and environmental necessity.

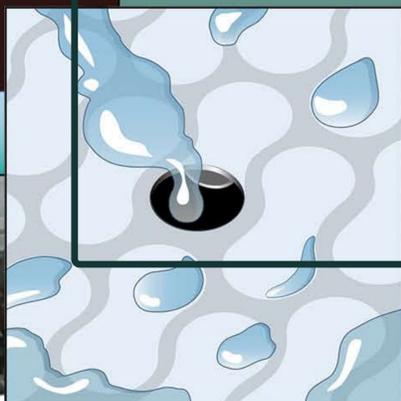
VapourGuard<sup>TM</sup> floating cover solutions are a useful, adaptable tool in the preservation and maintenance of water storage systems.



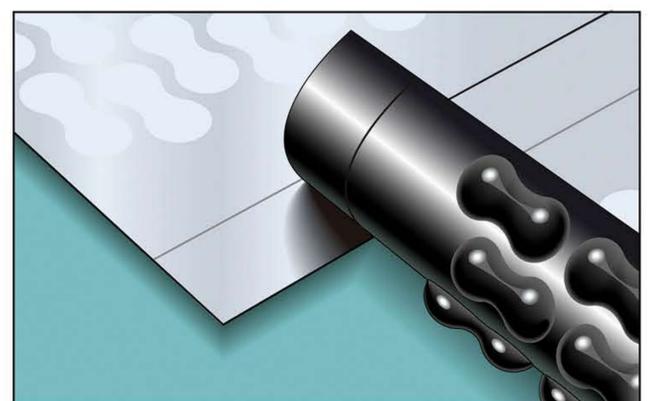
VapourGuard<sup>TM</sup> material provides evaporation control, algae inhibition, debris reduction and temperature regulation. The material can be applied in modular sections or as a complete covering membrane to the surface of the water. With the addition of small holes during the fabrication process the cover can also be used for rain water harvesting.



The addition of holes in the cover means that the VapourGuard<sup>TM</sup> material can help to harvest water, while also reducing evaporation.



Manufactured by Plastipack Ltd the material is available in roll form, 2.5m wide with a 50mm salvage/weld edge in 90m lengths. The material can then be heat bonded into modular or amalgamated shaped cover by specialist fabricators to meet the required dimensions of the application.





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

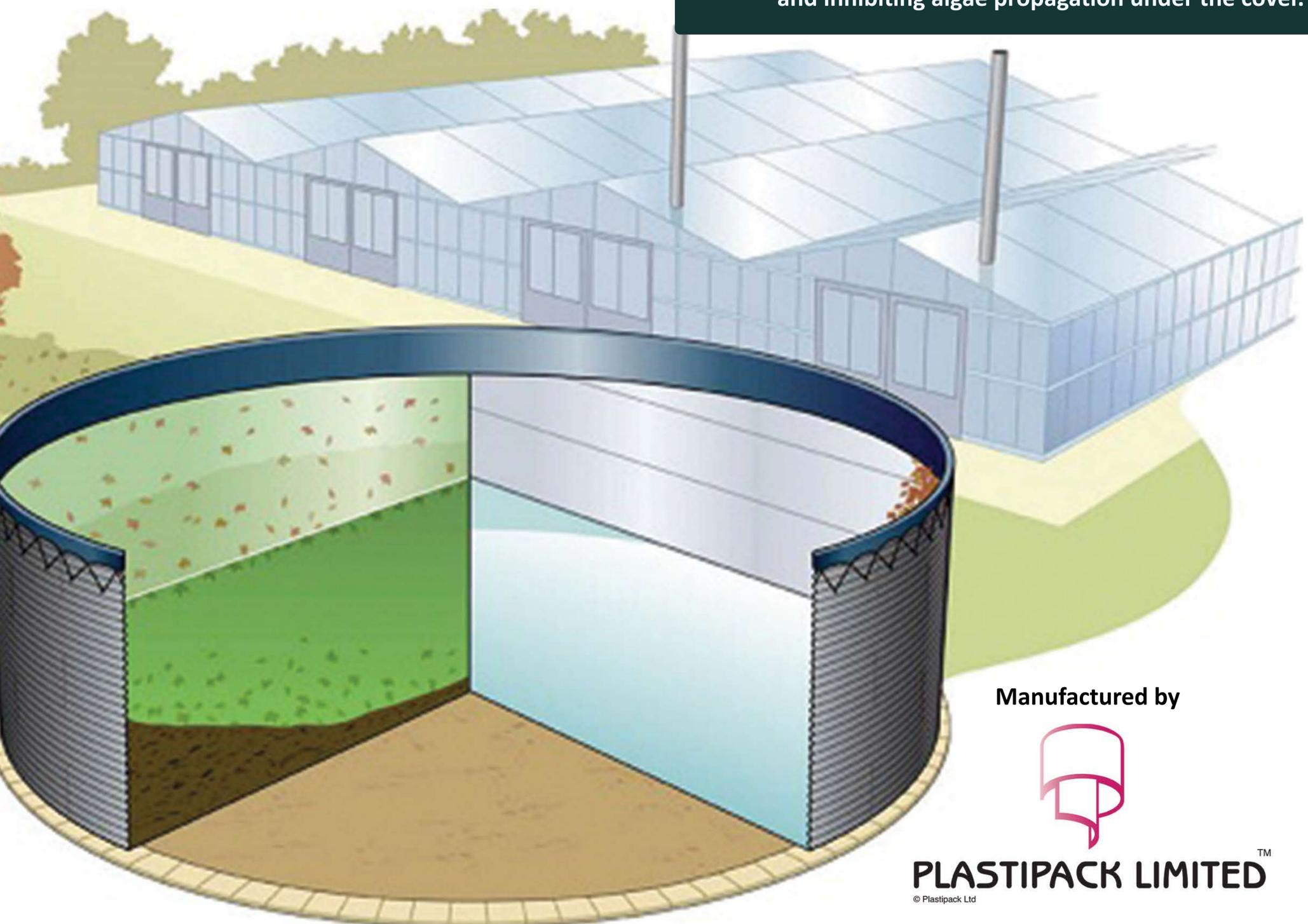
- Eliminate water evaporation by 98%+
- Harvest rain
- Inhibit algae growth
- Reflect the sun's heat
- Reduce contamination
- 10 year pro-rata warranty
- With GeoBubble™ Technology

VapourGuard™ consists of 2 sheets of blended polyethylene to provide a strong durable material. The material has air entrained cells for bouyancy and insulation featuring the patented GeoBubble™ technology bubble profile.

The light grey top surface is highly reflective across the visible and near IR spectra, limiting solar gains and regulating the temperature of the water.



The bottom layer in which the GeoBubble™ profile is formed is an opaque black layer. This prevents light penetration into the water body, blocking photosynthesis and inhibiting algae propagation under the cover.



Manufactured by



**PLASTIPACK LIMITED**

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**PLASTIPACK LIMITED**<sup>TM</sup>  
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## Specification Sheet

<b>Polyethylene Film</b>	Dual-Extruded
<b>UV Protection</b>	HALS
<b>Colour</b>	Light Grey / Black
<b>Thermal Properties</b>	Vicat Softening Point (1kg) 93°C
<b>Cold Crack Temperature</b>	-25°C
<b>540 microns thickness</b>	Bubble Film = 300 micron +/- 10% Back film = 240 micron +/- 10%
<b>Weight per m<sup>2</sup></b>	520gms +/- 10%
<b>Overall Bubble Width</b>	2500mm +/- 1%
<b>Welding Edges</b>	50mm +/- 10%
<b>Overall Width</b>	2600mm +/- 10%
<b>Roll Diameter</b>	0.80m +/- 1%
<b>Roll Length</b>	90m +/- 2%
<b>Est. Quantity for 120m<sup>3</sup> truck</b>	2.5m = 14,535m <sup>2</sup> = 57 rolls
<b>Est. Quantity Containers</b>	20ft = 4,050m <sup>2</sup> = 18 rolls 40ft = 10,125m <sup>2</sup> = 45 rolls
<b>Packaging</b>	Packaged in Polyethylene bags
<b>Core Diameters</b>	Internal 76mm/External 80mm
<b>Identification</b>	Batch Identification by Q.A. slip and label showing Length/Grade
<b>Warranty</b>	10 year pro rata warranty
<b>GEOBUBBLE™ TECHNOLOGY</b>	
<b>Bubble Width x Length</b>	15x30mm
<b>Bubble Height</b>	5.5mm
<b>No. of bubble per m<sup>2</sup></b>	1029

Water Storage:  
[www.VapourGuard.com](http://www.VapourGuard.com)

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

Company Information:  
[www.Plastipack.co.uk](http://www.Plastipack.co.uk)

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