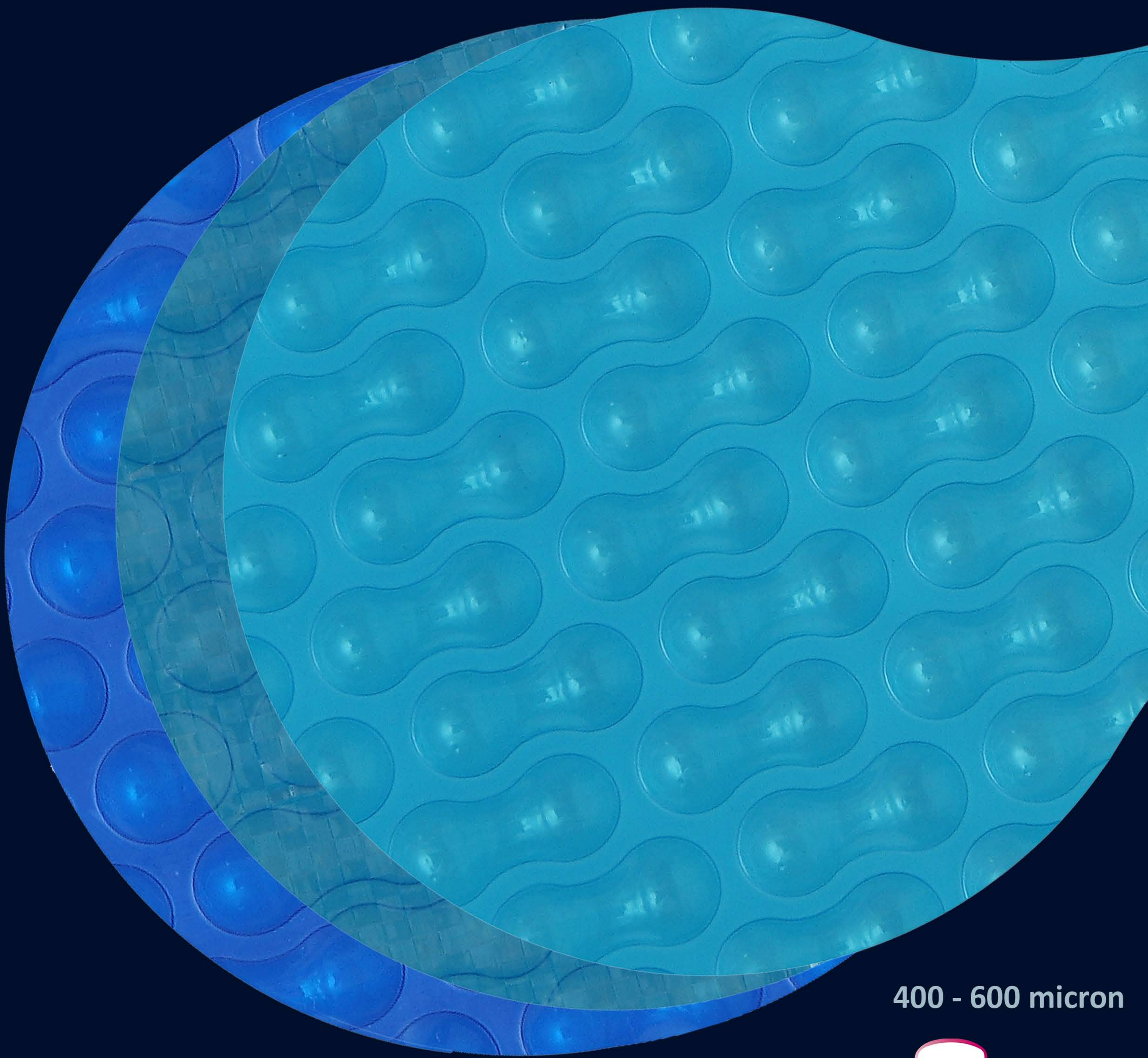
GeoBubble™

# Standard Range



400 - 600 micron

**Solutions for every pool covering need**

PLASTIPACK LIMITED™

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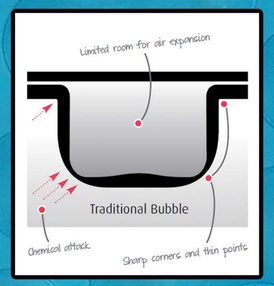
www.geobubble.co.uk

# GeoBubble™

**GeoBubble™ is an innovative pool cover material using a bubble profile that has been scientifically designed to increase the expected lifespan of the swimming pool cover material by 25%+**

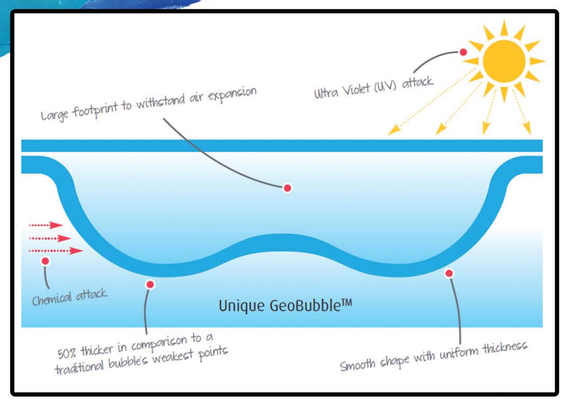



## Traditional bubble design:

- Developed and adapted from high-volume, low quality packaging bubble material with a short lifespan
- Thin points and high residual stress areas, creating weak points quickly broken down by UV rays and chemical attack

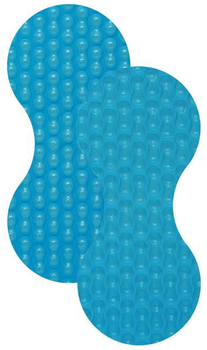
## GeoBubble™'s unique features and benefits:

- Unique patented design of two bubbles joined together by a structural waistline centre section.
- No sharp corners that could result in thin or weak points in the design.
- No stress points due to the bubble's smooth interconnected curves.
- 50% thicker than a traditional bubble material at its thinnest point.
- Increased resilience against UV rays and chemical attack.



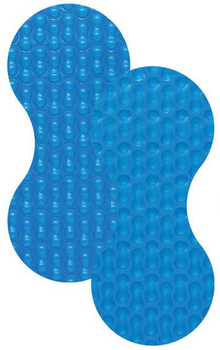

Our unique bubble design spent over five years in the research and development stage, in collaboration with London Metropolitan University and the University of Brighton. This synergy between academics and industry expertise has resulted in the development of a unique, patented bubble design.
*GeoBubble™ has marked a new era in high performance pool covers that offer both improved product longevity and maximum savings.*

## Standard material



Light Blue

French Blue

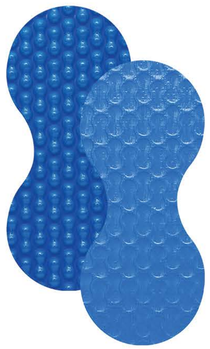


Dark Blue

Opaque Blue Black

## Hard-wearing material

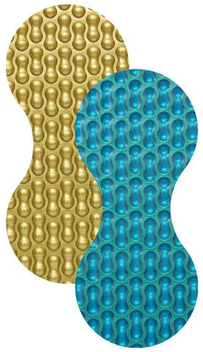
Solarweave® Light Blue



Polyweave Dark Blue

## Aesthetic material

Dark Blue Silver



Dark Blue Gold

- Eliminates water evaporation by 98%+
- Reduce debris contamination
- Increase pool temperature
- Reduce chemical consumption
- Reduce energy consumption
- Save money and shrink the carbon footprint of your pool
- With GeoBubble™ Technology
- Available from 400 to 600 micron

### Prevents evaporation

Our materials reduce water losses through evaporation by working as a barrier between the water's surface and the atmosphere. By simply covering the pool with the material, evaporation is reduced by over 98% resulting in the preservation of the water resources and increased temperatures within the swimming pool.

### Insulating properties

The material is comprised of two layers laminated together, the bottom layer makes up two thirds of the total thickness of the material and is formed into buoyant air cells that allow the cover to float on the water. The large footprint of the GeoBubble™ profile also acts as an insulator, retaining energy gained throughout the day mitigating heat loss from the pool.

### Life span

The unique GeoBubble™ design has been scientifically developed to provide performance and longevity of the blended LDPE 4 polyethylene cover material, providing a sustainable 100% recyclable, energy and cost saving product.

**Manufactured by**

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# Specification Sheet
## 400 micron material*

| | |
|---|---|
| **Polyethylene Film** | Dual-Extruded |
| **UV Protection** | Standard 0.6% Additive<br>UV+ 0.9% Additive |
| **Colours include** | French Blue, Light Blue, Dark Blue Silver,<br>Opaque Blue Black |
| **Thermal Properties** | Vicat Softening Point (1kg) 93°C |
| **Cold Crack Temperature** | -25°C |
| **400 microns thickness** | Bubble Film = 260 micron +/- 10%<br>Back film = 140 micron +/- 10% |
| **Weight per $m^2$** | 368gms +/- 10% |
| **Overall Bubble Width** | 2000mm / 2500mm +/- 1% |
| **Welding Edges** | 30mm +/- 10% |
| **Overall Width** | 2060mm / 2560mm +/- 10% |
| **Roll Diameter** | 0.78m +/- 1% |
| **Roll Length** | 102m +/- 2% |
| **Est. Quantity for 120$m^3$ truck** | 2.5m = 14,535$m^2$ = 57 rolls<br>2m = 15,912$m^2$ = 78 rolls |
| **Est. Quantity Containers** | 20ft = 4,692$m^2$ = 23 rolls<br>40ft = 11,220$m^2$ = 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** | 3 years pro rata warranty |
| **GEOBUBBLE™ TECHNOLOGY** | |
| **Bubble Width x Length** | 15x30mm |
| **Bubble Height** | 5.5mm |
| **No. of bubble per $m^2$** | 1943 |

***All other specification tables available on our websites**

Company Information:
**www.Plastipack.co.uk**

Product information:
**www.GeoBubble.co.uk**

Water Storage:
**www.VapourGuard.co.uk**

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4 LDPE

Smart Approved WaterMark

WATER CORPORATION waterwise