



Carbon-Saving Pool Covers



Carbon emitted vs Carbon saved



Materials & Manufacturing

EnergyGuard™ Selective Transmission
Emits: 1.05kgCO₂e

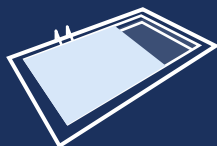
Light Blue Emits: 0.84CO₂e



Transport

EnergyGuard™ Selective Transmission
Emits: 0.31kgCO₂e

Light Blue Emits: 0.27CO₂e



Product in use

EnergyGuard™ Selective Transmission
SAVES: 35.6kgCO₂e

Light Blue **SAVES: 8.67CO₂e**



Maintenance & Disposal

EnergyGuard™ Selective Transmission
Emits: 0.14kgCO₂e

Light Blue Emits: 0.11CO₂e

Total emissions saving:

EnergyGuard™ Selective Transmission:
34kgCO₂e per m²

Light Blue: 7kgCO₂e per m²

Life Cycle Analysis

A Life Cycle Assessment (LCA) is a holistic review of the environmental impact of a product throughout its whole life. The environmental impact of the product is expressed in terms of carbon emissions (kgCO₂e) per functional unit.

carbon-negative

/ˌkɑːbən ˈnegətɪv/ (adjective)

when something removes more CO₂ from the atmosphere than it emits.

An LCA will take into consideration all carbon emissions resulting from the materials and energy consumed within a product's life, starting from the sourcing and manufacturing stage, through its distribution and use and finally the end-of-life. It will also consider any potential for reduction in emissions or carbon savings resulting from the efficiencies brought about by use of the product.

Carbon negative products are those that bring about a net saving in carbon emissions over the course of their lifetime.

Reducing the financial & environmental cost:

After undertaking an independently verified LCA, Plastipack Ltd, the manufacturer of GeoBubble™ technology pool cover material, can proudly announce the first of our Carbon Negative products – EnergyGuard™ Selective Transmission, and the standard Light Blue GeoBubble™ material.

Alongside efforts made within the production and distribution processes to reduce carbon emissions, GeoBubble™ products can also work to save carbon emissions when in use on a pool.

EnergyGuard™ Selective Transmission's unique benefits offer energy and resource savings that have a direct impact in reducing both the cost and environmental impact of running your pool.

Heat pump energy consumption tests on our bespoke testing facility highlight that EnergyGuard™ Selective Transmission can reduce energy consumption by 87% when compared to an uncovered pool.

These energy saving represent both a financial and environmental benefit - within its warrantied 8-year lifespan an average EnergyGuard™ Selective Transmission cover will save 1,091kgCO₂e in energy related carbon emissions.

The cover's ability to inhibit algae growth and act as a physical barrier to dirt and debris contamination can reduce the chemical consumption of a pool by up to 60%.

Saving 34kg CO₂e per m² over the lifespan of the product, EnergyGuard™ Selective Transmission is a proven carbon negative material.

The same report also showed that the standard Light Blue GeoBubble™ material saved 7kg CO₂e per m² over its shorter 4 year warrantied lifespan. Proving that using even a standard GeoBubble™ cover has a positive environmental impact.



Saves 34kg CO₂e per m²

Over the lifespan of the product



Saves 7kg CO₂e per m²

Over the lifespan of the product

Find out more:

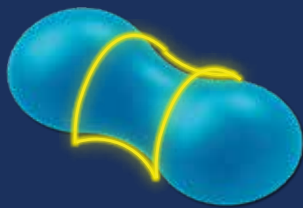
www.geobubblepoolcovers.com | info@geobubblepoolcovers.com | +44 01424 851659



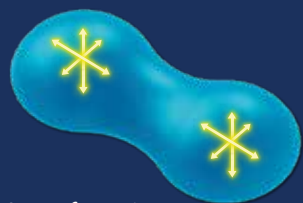
High performance GeoBubble™ pool covers

Now with 8 year warrantied lifespan

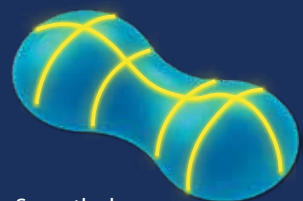
Unique GeoBubble™ Technology



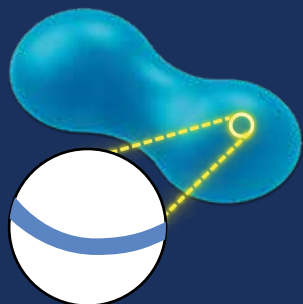
Strong supporting arch that resists collapse



Large footprint to withstand air expansion



Smooth shape with uniform thickness



No sharp corners that would create high stress and thin points

50% thicker at its thinnest points than standard bubble design



The Best Cover for Heating while Inhibiting Algae



- Now Proven Carbon Negative
- Award-winning material
- Increase water temperature by up to 7°C
- Inhibit algae growth
- Reduce energy consumption by up to 60%
- Reduce chemical consumption by up to 60%
- Reduce filtration time by up to 50%
- Eliminates water evaporation by 98%+
- Reduce debris contamination



The Best Cover for a Cool Pool



- Minimises daily solar gains by 55%
- Maintains 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



The Best Cover for Cost Effective Heat Retention



- Retain heat and maintain pool temperature
- Reduce heating cost by up to 57%
- Works on both indoor and outdoor pools
- Eliminate evaporation by 98%+
- Reduce debris contamination



The Best Cover for Solar Gains



- Increases pool temperature by up to 8°C
- Reduce energy consumption by over 70%
- Reduce chemical consumption by up to 40%
- Eliminate water evaporation by 98%+
- Reduce debris contamination