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The Next Generation of Pool Covers



**Redesigned for performance.
Refined for sustainability.**

Gen2 represents the next generation of pool cover materials, engineered to deliver greater performance, efficiency, and sustainability through advanced material science. By integrating cutting-edge graphene technology and improved polymer formulation, the Gen2 concept redefines what's possible in pool cover design: stronger, lighter materials with no compromise on lifespan or performance.



Sol+Guard™ Gen2 is the first in a new generation of pool covers—an evolution of our industry-leading transparent material. It uses 20% less polymer, creating a lighter, thinner cover that is easier to fabricate, while still delivering the same class-leading solar performance.

Gen2 represents a smarter, more sustainable approach to pool cover innovation, designed to meet the demands of today's industry while protecting the resources of tomorrow.



What makes Gen2 different?

Stronger Material

Graphene improves the internal structure of the material, making it more resistant to tearing and stress, while also being thinner and lighter.

8 Year Lifespan

Greater resistance to heat and chemicals helps reduce material breakdown over time, maintaining our industry-leading product longevity in harsh pool environments.

Improved Thermal Performance

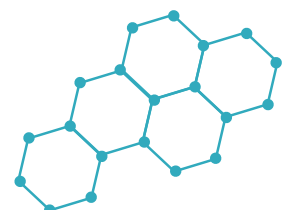
Graphene helps disperse heat more efficiently across the cover, transferring warmth into the water and improving solar gain.

Reduced Environmental Footprint

By using 20% less polymer, we reduce the material's carbon footprint – cutting CO₂ emissions during both manufacturing and end-of-life.

Unique GeoBubble™ Technology

All Gen2 products feature our unique GeoBubble™ shape, engineered to last 25% longer than traditional bubbles.





Sol+Guard™

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For Pool Owners

- Higher Puncture Resistance (51%)
- Enhanced Tear Resistance (24%)
- Improved Thermal Performance
- Lighter and easier to handle
- Improved Flexibility
- Strength of a 500 Micron Cover
- 20% Less Polymer Used
- 8-Year Expected Lifespan



For Fabricators & Distributors

- 20% Smaller Packing Size (vs. 500 micron cover)
- 6% Smaller Packing Size (vs. 400 micron cover)
- Lightweight & Durable
- Less Prone to Fold Marks
- Stronger Seals Possible
- Lower Carbon Footprint
- Reduced Water Depletion

Plus everything you'd expect from a Sol+Guard™ cover



Solar Gains

Raises Water Temperature by up to 8°C



Energy Savings

Cuts Heat Pump Use by up to 80%



Evaporation Control

Prevents Over 98% of Evaporation



Chemical Reduction

Reduces Chemical Use by up to 40%

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