

Heatsavr™

the Original Liquid Pool Cover

Frequently Asked Questions

What is Heatsavr™?

Heatsavr is a transparent liquid solar pool cover that greatly reduces heat loss. The liquid forms a barrier on the surface of the pool, inhibiting evaporation. Heatsavr™ has been tested and proven to be completely safe and biodegradable. Heatsavr™ is guaranteed to save energy and water in every pool. Energy savings up to 40% can be expected.

Who should use Heatsavr™?

- Heated Pools and Spas
 - Indoor or Outdoor
- More Specifically,*
- Customers facing high energy and water costs
 - Large pools that can't use conventional pool blankets (University's, Condos, Municipalities, High Schools, Fitness Clubs)
 - Any customer who doesn't currently use a pool cover and heats their pool or loses temperature over night.
 - Customers who find plastic pool blankets difficult to put on and take off the pool or are looking for an easy to apply solar blanket.

Why should you use Heatsavr™?

- To save money on the energy and water expenses encountered when heating a pool.
- To keep the heat in the pool and avoid climatic temperature drops.
- As an alternative to plastic pool blanket, Heatsavr™ is easy to apply and once installed is a hands off application.

When should you use Heatsavr™?

In certain climates and in indoor pools it is necessary to use Heatsavr all year. Generally though, if the pool is being heated or the pool is experiencing a drop in temperature, you are losing heat and energy. Therefore, Heatsavr™ is necessary to conserve that lost heat, water and energy.

How does one use Heatsavr™ effectively?

1 ounce of Heatsavr needs to be added for every 400 square feet of pool surface area each day. The product can be added either by hand, where it is simply poured directly into the pool or by our automatic metering system. The metering system consists of a peristaltic pump attached to a 7-day programmable timer. When programmed and installed to the main feed line of the pool the pump will inject the proper dosage daily, ensuring consistent coverage until the jug of Heatsavr is empty. At that time it is necessary to replace the 140-ounce jug.

Can people swim while Heatsavr™ is in use?

Yes, Heatsavr™ is tested and proven to be absolutely safe. It's designed to be in use 24 hours per day, which gives Heatsavr™ a distinct advantage over standard pool blankets.

Is Heatsavr™ safe for filters and plumbing?

Yes, Heatsavr™ is non-corrosive. There is no detrimental effect on pipes, pumps, valves, chlorine controllers, or filters (DE, Sand or Cartridge) commonly used in pool applications.

Is Heatsavr™ environmentally friendly?

Yes. Not only does Heatsavr™ biodegrade into safe, simple compounds, but the reduction in energy use is especially beneficial. Swimmers in the pool will not know it is in use.

How much energy can I expect to save from using Heatsavr™?

An average savings of 20% up to 45% can be expected, depending on certain variables pertaining to your pool's operations.

What is the dosage?

The recommended dosage is 1 ounce/400 square feet per day; the product should be added daily as it is biodegradable.



Will it stain the pool?

No, Heatsavr™ does have a slight amount of blue dye in it to give it some color, but not enough to cause any stains or damage to pool liners or decks.

How do I install the Automatic Metering System?

The AMS should be installed into the main feed line of the pool after the filtration, pump, chlorine injection and any other chemical injection sites. Installation instruction come with the product and can also be downloaded from our website at www.flexiblesolutions.com.

We do not heat the pool, how will Heatsavr™ help?

Yes, Heatsavr™ can be used in a non-heated pool to help increase the temperature of the water. Usually it is a case where the swimming pool is losing heat throughout the evening and then gaining it back during the day from solar gain. In this instance adding Heatsavr™ in the evening will mitigate the temperature loss overnight.

Can we use the product on Spas and Hot Tubs?

Yes, however if the customer is using a solid cover we recommend they keep using it because of its excellent insulating qualities for the higher temperature water. Heatsavr™ can be used in conjunction with the solid cover or if there is no cover at all to conserve energy when the spa is open. The spa requires a higher dosage because of increased water temperature and higher bather loads. We recommend a dosage of 1 ounce/50 square feet per day.

Can Heatsavr™ be used on indoor pools?

Yes, Heatsavr™ can be used on indoor pools. Indoor pools lose heat and water to evaporation the same as an outdoor pool. Therefore using Heatsavr™ on an indoor pool will reduce energy use and humidity levels.

Will Heatsavr™ reduce humidity in an indoor facility?

Yes, in an indoor pool facility Heatsavr™ will help reduce humidity by reducing evaporation. Results do depend on the facilities air circulation system and dehumidification system (if applicable).

What is the science behind Heatsavr™?

When Heatsavr™ is applied to a pool it quickly spreads over the surface of the water, creating an invisible, monomolecular layer. These self-spreading molecules are microscopic and safely travel through circulation systems and filter media of all types. When they are returned to the pool they float to the top and rejoin the barrier that is always present. The molecules are completely safe for pool users and biodegradable.

What does Heatsavr™ consist off?

Heatsavr™ consists of an active ingredient, which is the actual molecules which create the barrier over the surface of the water, and a spreading agent, which is Isopropyl Alcohol (IPA). The IPA actually evaporates within 25 minutes of applying the product leaving the active ingredient on the surface.

Will high winds affect Heatsavr™ effectiveness?

Yes, if the wind speed is too high and the swimming pool is not protected by a wind break then Heatsavr™ can get pushed to one side of the pool and is not as effective. Usually in these situations the wind dies off in the evening allowing Heatsavr™ to work properly. We recommend that if wind can be predicted daily then the application schedule should take that into account and Heatsavr™ **should be applied** after the wind has reduced.

Will it affect the pool chemistry?

No, Heatsavr™ does not affect the pool chemistry in anyway. Once you start using Heatsavr™ follow the same pool chemistry schedule as always.

How can I measure energy savings?

When trying to measure energy savings it is recommended that your pool be treated like an experiment using only accurate and specific data. For instance if a pool is trying to measure from their energy bill they will need to take into account everything that uses that energy at the facility such as hot water for a kitchen and showers or energy used to heat the building. Each facility is different and needs to be analyzed individually often an energy consultant is involved to ensure accurate data.