



waterwise

UK Water Efficiency Product Awards

Winner

Category: Industrial and Business

HeatSavr Pool Cover

Key Features: liquid pool cover, slows evaporation from pool, can be used when pool is in use

Heatsavr is a liquid pool cover which, when dosed into a swimming pool, rapidly spreads across the surface of the water, forming an invisible barrier. Heatsavr contains a surfactant monolayer and a carrier which assists in spreading the surfactant. The monolayer slows the evaporation of water from the swimming pool, resulting in less water loss and less corrosion on metal structures or deterioration of the fabric of the building. The reduction in evaporation also places less strain on the dehumidification system, enabling the pool manager to turn down fan speeds and save energy. With less water evaporating from the surface, less incoming water is needed to top up the pool volume and less energy is used in heating incoming water.



Before



After

Manual pool covers are commonly used in the leisure industry to reduce evaporation but many commercial sites have no cover in place, often due to the shape of the pool eg. Kidney shaped, meaning that a standard rectangular cover

cannot be used. In addition, unlike manual pool covers, Heatsavr can be used throughout the day, even when bathers are present in the pool. It is the ideal solution for hotel pools where the management is obliged to keep the pool open all day for guests but where the pool is often empty but remains uncovered. For the domestic pool owner, Heatsavr is available in 1L bottles or as a 500ml Ecosavr fish which contains a patented valve system for slow release of the liquid.

Wrexham Water World is an example of water savings in a commercial swimming pool using Heatsavr. The site has a modern pool management system in place and the pool manager was able to accurately measure the water and energy savings enjoyed at the pool over a 12 month period, following the installation of Heatsavr. Heatsavr was saving up to 3 litres of water per day, particularly at night, when the pool was closed for 8 hours each day to the public. The pool manager had a water top up meter in place and calculated that he had saved at least 1000m³ of water in a 12-month period by using Heatsavr to reduce evaporation. By reducing water evaporation in the pool hall there is an added benefit of reducing humidity and therefore creating a more comfortable environment for bathers and a better working environment for staff

Heatsavr uses cutting edge chemical technology to reinvent the humble pool cover, giving multiple benefits, including saving water from being wasted through evaporation



The Waterwise UK Water Efficiency Product Awards celebrate products and technology that contribute to water efficiency, which benefits the economy, society and environment.